

THE AMERICAN School Board Journal

February



1901.
Vol. XXII. No. 2.
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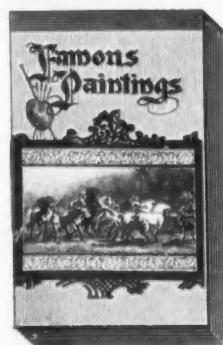
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Telegram.—Will be in Ithaca A. M. Thursday.—Fred J. Nash, September 19.

Ithaca, N. Y.—The classical vacancy here has been filled by the appointment of Fred J. Nash, a graduate of Yale College.—Prin. C. V. Parsell, September 21.

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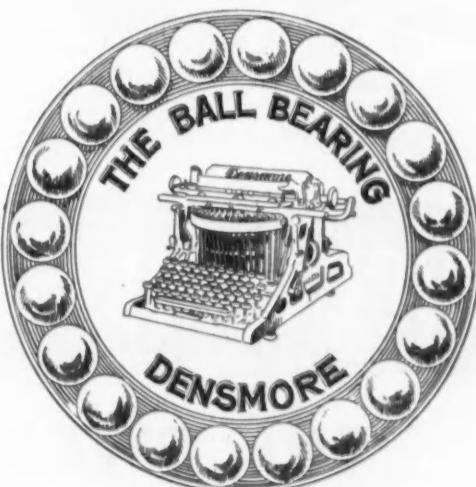
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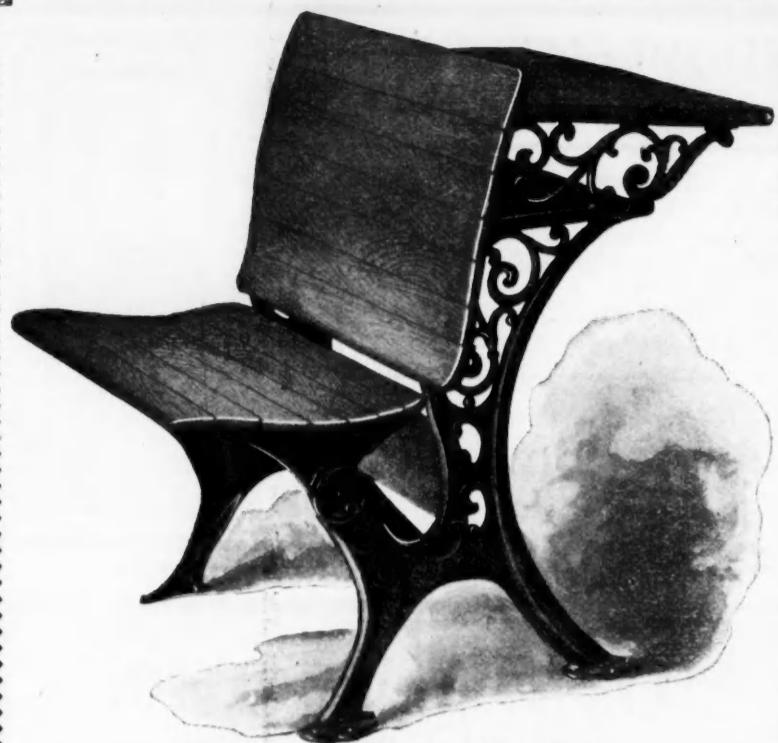
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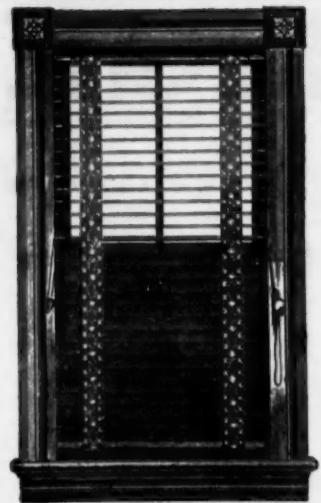
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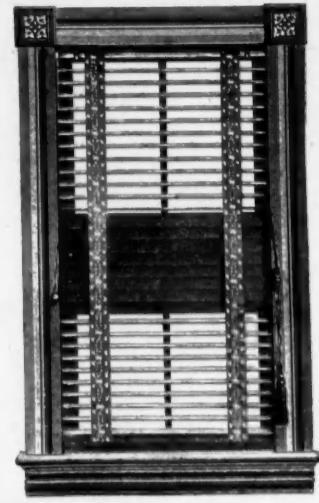
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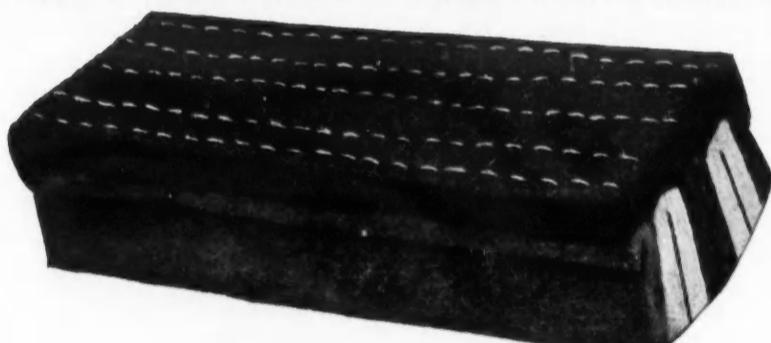
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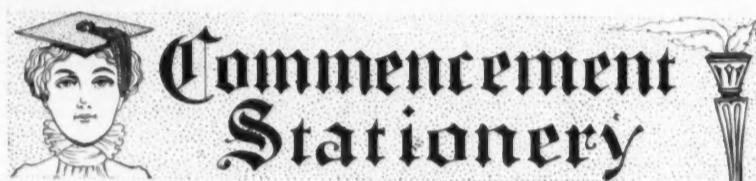
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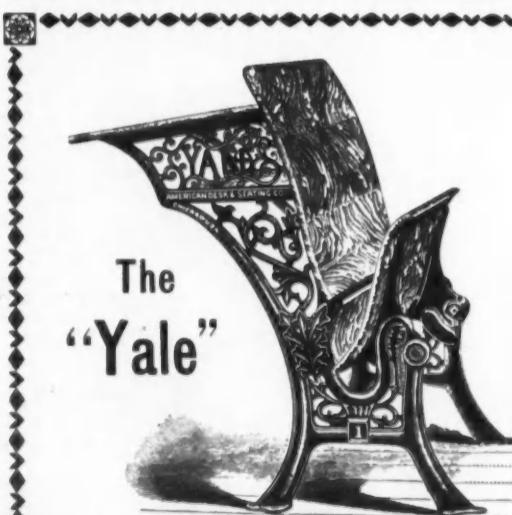
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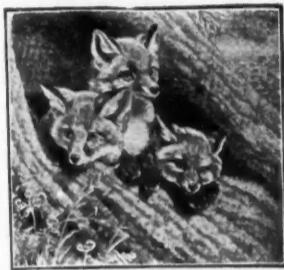
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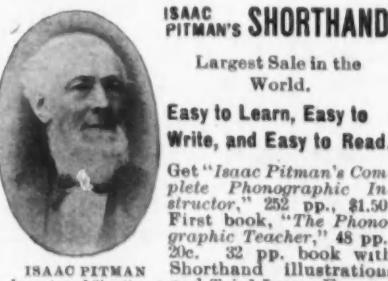
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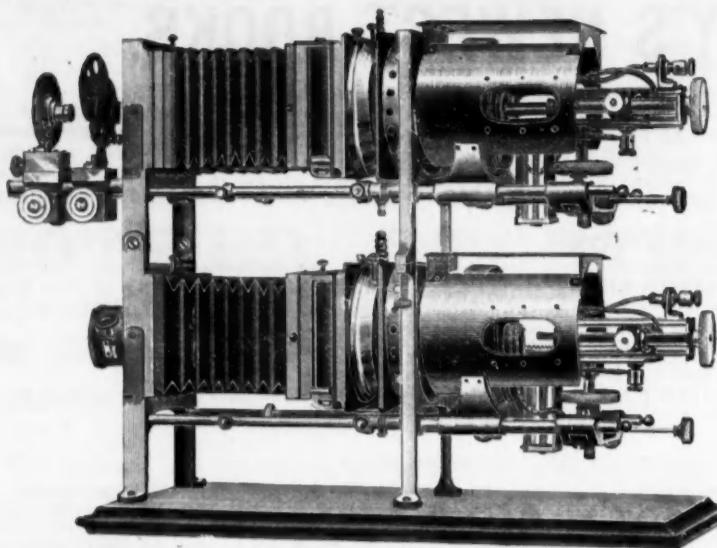
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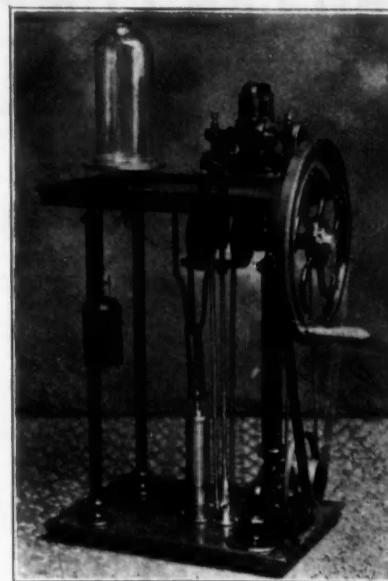
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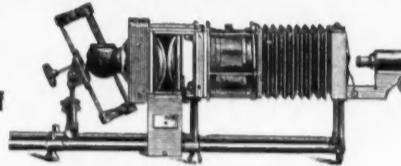
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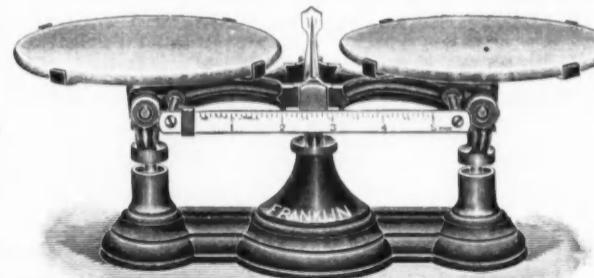
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School Laws

Oswego, N. Y. The law requires that in case of a deadlock over the selection of a superintendent the state superintendent casts the deciding vote.

New York. State Superintendent Chas. Skinner has given it as his opinion that a clergyman occupying church property exempt from taxation as a part of his salary was ineligible and could not hold the office of school trustee.

San Francisco, Cal. The board of education has received an opinion from the city attorney, in which he holds that those regularly elected teachers who were in the department prior to the going into effect of the new city charter are not subject to removal under a recently adopted rule declaring their positions vacant upon marriage. The charter limits the power of the board as to dismissals by the following provision: "But no teacher in the department at the time of the adoption of this charter or who shall be hereafter appointed shall be dismissed from the department except for insubordination, immoral or unprofessional conduct or evident unfitness for teaching."

California. Judge Trask has handed down a decision in which he holds that members of county boards of education are not entitled to \$5 a day for their services when they hold meetings. He says that their mileage is to be paid only. The decision is an important one, owing to the fact that almost every county in the state pays its board of education the \$5 per day.

Ohio. The amended scientific temperance instruction law, passed by the last legislature, makes it the duty of the state commissioner of common schools to see that the provisions relating to county teachers' institutes and examination of teachers are carried out. The law does not specify the manner in which the commissioner is to carry out its provisions but it does very clearly require that in all teachers' institutes adequate time and attention be given to instruction in the best methods of teaching the nature of alcoholic drinks and other narcotics and their effects upon the human system, in connection with the various divisions of physiology and hygiene.

Port Huron, Mich. A state law provides that each teacher must pay a annual institute fee of \$1 to create a fund, out of which to pay the expenses of conducting state institutes in the several counties.

New York, N. Y. The court of appeals has handed down a decision sustaining the decision of the appellate division of the supreme court in denying the application of certain school teachers of Brooklyn who had brought suit to compel Superintendent of Schools Maxwell to recognize teachers' licenses that had been granted by former Brooklyn school boards, years before consolidation. These licenses Dr. Maxwell declared to be insufficient as the standard had improved. Holders of these licenses were therefore told that they would have to pass a new examination before they could receive a certificate that would allow them to teach in the schools of that city. Dr. Maxwell is much pleased at the decision, and thinks it will help to keep a high standard for New York school teachers.

Minneapolis, Minn. A saloon business cannot be carried on within 400 feet of a public school building, even though the saloon was in operation before the school house was built. The Minnesota law is explicit on this point.

Teachers' Salaries.

St. Louis, Mo. The board has adopted a rule to the effect that a picnic-day shall be regarded as a school day in making out the teachers' payroll. Teachers are expected to go and return with their pupils.

Canton, Ill. The board has provided for a system of graded teachers' salaries. All teachers without experience are to receive \$30 per month which may be increased at a rate not to exceed \$2 per month, until the salary is \$40, after which the rate of increase is not to exceed \$1 per month until \$48 is reached. Experienced teachers will receive salaries befitting their past experience.

Columbus, O. There has been started here a school teachers' union for the protection of school teachers' salaries, just as unions are formed among laboring men for their protection. If the movement succeeds, every teacher in the country will belong to this union and all the teachers will be paid on a scale of wages set by it.

Springfield, Mo. Superintendent \$1,800 per annum.

Elizabeth, N. J. Superintendent's salary increased from \$2,500 to \$2,700.

Wichita, Kan. The board has raised the salary of the grammar school teachers 5 per cent.

Chicago, Ill. Special teacher of music in the high schools \$2,400.

The following table gives the average salary paid to men and women teachers in the states of the middle west:

	MEN.	WOMEN.
Wisconsin	\$67.90	\$35.50
Illinois	59.64	50.69
Indiana	48.25	40.25
Michigan	47.70	34.95
Minnesota	45.50	34.78
Nebraska	42.57	36.14
Missouri	42.50	39.50
North Dakota.....	40.29	34.84
Kansas	39.26	34.29
Iowa	37.01	31.45
Ohio	35.00	29.00

Waterbury, Conn. Salaries of two of the most prominent school principals have been reduced. One reason given is that they worked against present members of the board at the last election.

Paducah, Ky. Superintendent \$1,200 per annum.

Decatur, Ill. Highest salary paid male teachers, \$1,450; highest salary paid female teachers, \$750; lowest salary paid male teachers, \$600; lowest salary paid female teachers, \$315; salary of superintendent and clerk, \$2,000.

Lincoln, Neb. The salaries of permanent teachers are based on experience and merit.

Milwaukee, Wis. Eighth grade teachers, who rank as first assistants, are making a concerted move to have their salaries restored to \$90 a month. At present they are being paid \$80 per month.

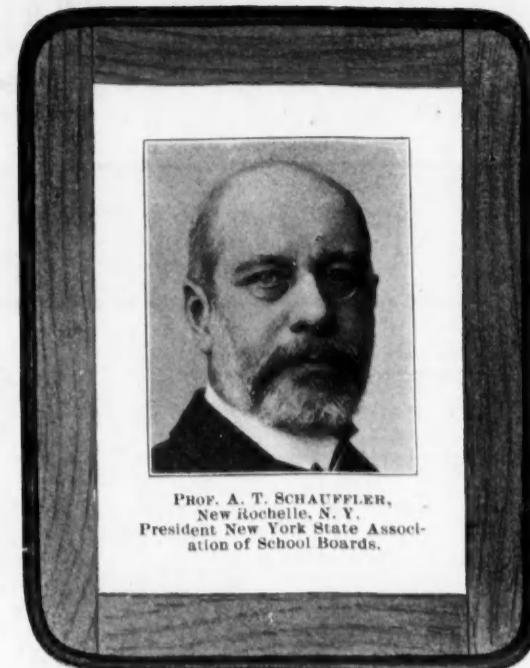
Johnstown, Pa. Principal of high school, \$1,200; vice-principal of high school, \$950; supervisor of music, \$900; supervisor of drawing, \$1,000; supervisor of primary work, \$900.

Salt Lake City, Utah. The school superintendent's salary has been increased from \$3,000 to \$3,600.

Knoxville, Tenn. Superintendent's salary reduced from \$1,800 to \$1,500 per annum. Principals and teachers also received a salary cut.

Troy, N. Y. The salaries of the grade teachers has been advanced from \$432 per year to \$450. The salaries are payable in tenths.

Seattle, Wash. All grammar school salaries, ranging from \$45 to \$70, raised \$10 per month. All high school salaries, \$90, raised to \$100. Salaries of principals, ranging from \$85 to \$150, raised \$15 a month, except in the case of \$140



PROF. A. T. SCHAUFLER,
New Rochelle, N. Y.
President New York State Association of School Boards.

and \$150 salaries, which are raised \$20. The salary of the assistant superintendent raised from \$125 to \$135.

Pittsburg, Pa. A new schedule of salaries for the teaching force has been evolved. The same has been submitted to the board by the committee on teachers and salaries. It provides that sub-district school principals in schools having less than six teachers shall get \$1,200 per year, which is no change from the former schedule; in those having from 6 to 14 teachers, \$1,500, no change; from 15 to 20 teachers, \$1,700, \$100 advance; from 21 to 30 teachers, \$1,900, \$100 advance; above 30 teachers, \$2,100, \$100 advance. In the grammar department teachers during the first year are to get \$650, an increase of \$50; second year, \$700, an increase of \$50. In the primary department teachers during the first year are to get \$350, which is no change; second year, \$400, no change; third year, \$450, no change; fourth year, \$500, no change; fifth year, \$550, no change; sixth year, \$650, \$50 advance. Writing and drawing teachers through the first year to get \$450, which is no change; second year, \$500, no change; third year, \$550, no change; fourth year, \$650, \$50 advance. In the high schools the director is to get \$3,000, a raise from \$2,700; heads of departments, \$1,900, an advance of \$100; professor in charge of south side high school, \$1,900, which is \$100 advance. For training school teacher in the normal department \$1,000 is provided, an increase of \$100.



Staving It Off.

Teacher—Yes, Willy, today is Washington's Birthday and we will have special exercises.

Willy—Then here's a request from the school committee!

Teacher—What does it say?

Willy—It says: "Dear Teacher: for Heaven's sake don't tell us the story of George Washington and the cherry tree!"—Puck.

For Busy Superintendents.

Leavenworth, Kans. Board has forbidden oratorical contests in high schools as interfering with progress in studies.

Camden, N. J. All teachers applying for appointment must undergo medical examination and present certificate from reputable physician proving non-existence of tuberculosis.

Moline, Ill. Janitors are required to wash windows and floors of their respective buildings at least twice a year.

Dallas, Tex. President Morgan of the board recommends abolition of corporal punishment.

Iron Mountain, Mich. The board has made it unlawful to conduct a saloon within five hundred feet of a school.

Dayton, O. The superintendent has been authorized to omit recesses on stormy days.

Philadelphia, Pa. Janitors will be required to sweep their buildings once a day and scrub once a week.

Jersey City, N. J. Superintendent Snyder urges periodical medical examination of pupils.

El Paso, Tex. Board has ordered teachers to wear skirts short enough to prevent them from sweeping the sidewalks and gathering up disease germs.

East Des Moines, Ia. A new rule provides that no high school student shall enter athletic contests unless he has the required standing in at least four studies.

Waukegan, Ill. All janitors have been sworn in as special policemen in order to give them the fullest authority on school grounds.

San Francisco, Cal. A new rule reads: No advertisement shall be read, distributed or given away in school, nor shall newspapers, books, publications or articles of any kind be advertised, distributed or exhibited in schools by teachers, pupils or other persons.

Utica, N. Y. The board has rescinded the rule which provides for the reading of the scriptures in the schools.

Washington, D. C. The board declined to permit the humane society to promote its work through the schools.

Boston. A proposed rule provides that no appointments or transfers be made unless requested by the superintendent.

Superior, Wis. Corporal punishment with the strap is favored by the board.

Butte, Mont. The board forbids book agents, canvassers, etc., from calling on teachers during school hours.

Providence, R. I. Hereafter teachers in rooms where assistants are employed shall be wholly responsible for the instruction and discipline in their rooms, and that assistant teachers shall be entirely under the direction of the teachers of the rooms in which they are employed.

The following have served as state superintendents of California since the organization of the state government: John G. Marvin, 1851-4; Paul K. Hubbs, 1854-7; Andrew J. Moulder, 1857-63; John Swett, 1863-7; O. P. Fitzgerald, 1867-71; H. N. Bolander, 1871-5; Ezra S. Carr, 1875-80; F. M. Campbell, 1880-3; W. T. Welcker, 1883-7; Ira G. Hoitt, 1887-91; J. W. Anderson, 1891-5; Samuel T. Black, 1895-7; Chas. T. Meredith, 1898; Thos. J. Kirk, 1899-1901.

Boston, Mass. The school board has come to the conclusion, as one of its members expresses it, that the city has paid quite enough wedding journey bills, and it has adopted a rule, declar-

ing that hereafter the marriage of a woman teacher shall operate as a resignation of her position.

Cincinnati, O. An established rule is to the effect that principals must occasionally make visits to the other schools to keep up with the advanced ideas in school work. Two days a year are allowed each principal and teachers with pay to visit other schools.

Chicago, Ill. The board of education voted not to permit agents of the Anti-Cigarette League to use the schools for the purpose of selling badges and delivering addresses to the pupils.

Albany, N. Y. By a resolution the by-laws have been amended so that the board may grant leave of absence to teachers with pay on account of sickness, deducting the substitutes' pay for a period of not over one year.

Orange, N. J. A system of self-government has been introduced in the high school. A council composed of two members of each class, together with the vice-principal of the high school, constitute the governing body. The results have been very satisfactory thus far.

Lynn, Mass. The board is considering the adoption of a rule making the marriage of any female teacher subsequent to the annual election of teachers equivalent to resignation of her position.

Belleville, Ill. The age at which young men and young women should be allowed to teach school in St. Claire County was raised from seventeen to eighteen for girls and from nineteen to twenty for men.

Jersey City, N. J. Of 351 children in a single school whose eyes were recently examined by an oculist, only sixty-nine were found to have perfect sight, while the eyes of seven children were in danger of becoming permanently affected. In the opinion of the oculist the teachers should carefully watch the eyes of the children to see that those whose sight was defective should have medical attendance.

Washington, D. C. The teachers below the sixth grade are forbidden to assign lessons to pupils to be studied at home.

San Francisco, Cal. An amendment to the rules reads: In the case of absence of teachers for a period of less than one day in primary or grammar schools of eight or more classes the principals must teach the classes and shall not call for substitutes.

Highest monthly wages paid a male teacher in Polo, Ill., is \$166.66; in Rochelle, Ill., \$155.55; in Oregon, Ill., \$140; in Forreston, Ill., \$111.11; in Byron, Ill., \$100; in Leaf River, Ill., \$85; in Creston, Ill., \$85.

Highest monthly wages paid a female teacher in Polo, Ill., is \$75; in Oregon, Ill., \$65; in Rochelle, Ill., \$50; in Byron, Ill., \$50; in Forreston, Ill., \$45.

Racine, Wis. Supt. Geo. F. Bell has recommended to the board of education that a sched-

ule of salaries be adopted, wherein would be mentioned the minimum and maximum amount paid, together with the yearly increase each teacher might expect to receive.

Superior, Wis. The superintendent's salary fixed at \$2,000 a year.

Columbus, O. Frank V. Irish, the educator and author, together with Supt. Shawan and the principals of the schools, have been very successful in carrying on a crusade against cigarettes. The board has given permission that this work be carried on in the schools. Mr. Irish informs us that most of the pupils have given up the cigarette, and many young men have quit the habit because of the strong public sentiment against it. Those interested in the good work are going to appeal to the next legislature for the passage of a law prohibiting the sale and manufacture of cigarettes in the state.

New York, N. Y. The school children responded most generously to the call from Galveston for the relief of the school children of that city. The amount collected was \$27,907.02.

The average number of pupils to a teacher in various cities are: Utica, 41; Syracuse, 39; Albany, 39; Cincinnati, 47; Cleveland, 50; Springfield, Ill., 40; Milwaukee, 44; Toledo, 47; Detroit, 45; Springfield, Mass., 41; St. Paul, 44, and Rochester, 39.

Boston, probably, was the first American city to organize a system of medical inspection of the schools, in 1894. There are fifty inspectors, who each receive \$200 a year for his services. In New York daily medical inspections of the schools are made by a corps of 207 physicians, who each receive \$30 a month. In Chicago there are fifty medical inspectors, each receiving \$50 a month. In Philadelphia the inspection of the schools is done by medical inspectors, who receive no pay. The cities of St. Louis and Washington, D. C., contemplate the inauguration of medical inspection of the schools.

Tuition.

Deadwood, S. D. A tuition fee is charged non-resident pupils of \$3 per year.

Little Rock, Ark. Tuition rates for non-residents have been fixed as follows: Primary grade, \$18; grammar grade, \$24; high school grade, \$40.

Avalon, Pa. Tuition to be paid by non-resident pupils in the high school has been fixed at \$3 per month.

Rock Island, Ill. The tuition for foreign pupils has been fixed at \$2.50 per month in the high school, or \$20 per year, if paid in advance, for the grades the rates are \$1.50 per month in the first and second, and \$2 per month in the other grades, or \$16 per year in advance. A rebate is to be made when pupils leave before the close of the period for which they paid in advance.

Provo City, Utah. It has been decided to fix a tuition fee for non-resident students as follows: First four grades, \$2 for ten weeks; fifth and sixth grades, \$3; seventh and eighth grades, \$4.

Leavenworth, Kan. The board has decided that pupils whose parents are delinquents on the tuition list in the high school will not be given diplomas if otherwise entitled to them.

West Bay City, Mich. The tuition rates as fixed by the board of education for some time past have been as follows: For primary grades, \$10 per year; for grammar grades, \$15 per year, and for the high school \$20 per year.

Atlanta, Ga. The rates of tuition are: For grammar schools, first and second terms, \$25 each; for high schools, first and second terms, \$40 each.



H. L. WHITFIELD,
State Supt. of Education, Jackson, Miss.



The city of Detroit, where the next meeting of the National Educational Association will be held, has taken the preliminary steps towards local organization.

The plans have progressed to a point where the heads of committees are practically determined upon. These are as follows:

General Executive Committee—Chairman, Jas. E. Scripps.

Main Executive Committee—Chairman, O. G. Frederick.

Finance Committee—Chairman, Wm. H. Elliott.

Entertainment Committee—Chairman, A. A. Schantz.

Educational Exhibits—Chairman, F. W. Moe.

Treasurer—George H. Russell.

Membership—Chairman, D. W. Springer, Ann Arbor; E. C. Wariner, Saginaw; L. L. Wright, Ironwood; F. W. Cooley, Calumet; A. J. Volland, Grand Rapids; J. L. Markley, Ann Arbor; E. A. Lyman, Ypsilanti; C. H. Gurney, Hillsdale; E. W. Yost, Wayne; F. D. Davis, Negauinee; H. R. Pattengill, Delos Fall, Lansing; W. C. Martindale, Detroit.

The direction of the work is at present in hands of Supt. Martindale. A secretary has not yet been named.

The chairmen of the committees on halls and meeting places, hotels and accommodations and reception have not yet been named. It is now determined that Hon. Daniel J. Campau will be the chairman of the committee on reception. He enjoys a national reputation.

The plan now is that all sub-committees will be placed under the direction of the general executive committee.

The labors of raising a fund will also begin shortly. The teachers have pledged the sum of \$5,000. The balance will be made up by subscription among merchants and the large transportation companies.

The committee on memberships has been wisely selected. It represents the various classes of educational workers from the common schools to the university.

Mr. Marschner, president of the board of

education, has promised his active support in doing all that can be done to make the visit of school board members pleasant.

The city officials, including Mayor Wm. C. Maybury, Secretary Robt. Y. Ogg of the board of public works, President Geo. W. Fowle of the police commission, etc., will give their best aid towards making the meeting a success.

J. F. Walsh, secretary of the Chamber of Commerce and Convention League, will exert himself to make the beauties of Detroit and surroundings known to the visiting members. A number of side trips will be planned, and, considering the natural advantages of Detroit's surroundings, there will be no lack of pleasureable opportunities for sight-seeing.

The Hotel Cadillac has been chosen for the N. E. A. headquarters. The following states have secured parlors for headquarters: Michigan, Illinois, New York, Colorado, New Jersey, Minnesota, Nebraska, Ohio, Missouri, Kansas, Indiana, South Dakota, Georgia, Massachusetts, Iowa, Wisconsin.

The assignment of state headquarters has been turned over by the hotel management to Secretary Shepard.

PROPORTIONATE COST.

President Hoke Smith, of the Atlanta, Ga., board of education, in view of the fact that his city gives less than 10 per cent. of her entire revenue to the school, has made an inquiry in other cities. He finds the expenditure for school purposes in several cities, as compared with their revenues for all purposes, as follows:

	Per cent
Seranton,	36
Cleveland,	33
Cincinnati,	33
K'n's City,	33
Oakland,	32½
Los A'gel's,	32
I'dian'p'lis,	30
Denver,	28
Chicago,	23
Omaha,	23
Baltimore,	20

This percentage is based upon the total income of 100 per cent for all purposes.

HEAT AND VENTILATION.

Atlanta, Ga. Pres. Hoke Smith of the board, in a recent report, says: "The system of heating and sanitation used in six of the schools of Atlanta is known as the Smead system. It was introduced several years ago. I am the only member of the present board of education who was then upon the board. I voted continuously against the system, partly on account of the excessive cost. The board of health has recently condemned this system and has directed that three of the schools be changed at once. If three do not work, the entire six are equally objectionable, and we must use about \$10,000 of this year's appropriation to dispense with these six systems of heating and sanitation."

Each pupil requires from 1,800 to 2,000 cubic feet of fresh air every hour. The tests made by Mr. Smith show that 79,980 cubic feet of air enter through the ventilators hourly. As there are only about forty pupils in the room in which this measurement was taken, it seems that the ventilation is well up to the requirements. These tests will be continued, and if any of the rooms are found to be below the standard the defect will be remedied at once.

Fond du Lac, Wis. The new Grant school is equipped with the Johnson system of heat regulation.

Omaha, Neb. The board decided at one meeting that heat apparatus should not be installed in a new building now being planned. At a subsequent meeting it was held that a temperature regulating system is a necessity in the interest of economy and the physical welfare of pupils.

Duluth, Minn. The new Monroe school was equipped by the American Heating Co.



HEADQUARTERS LOCAL N. E. A. COMMITTEE, BOARD OF EDUCATION BUILDING, DETROIT, MICH.



HEADQUARTERS OF THE EXECUTIVE COMMITTEE N. E. A., HOTEL CADILLAC, DETROIT, MICH.

OHIO BOARDS WILL GATHER

Wednesday and Thursday, February 20 and 21, at Columbus, O.

The program prepared by State Commissioner L. D. Bonebrake, President W. S. Hoy and Secretary J. A. Williams, has been announced. It embraces topics which are just now of vital importance in school administration. They will be treated by men who are well known in the state and whose judgment is respected.

The attendance will, no doubt, be large. The affairs of the association have given the meeting the widest publicity, and the press of the state has manifested a deep interest in the prospective labors of the meeting.

President W. S. Hoy is favorably mentioned in his county as a candidate for the Ohio legislature. A man of his untiring energy, progressive spirit and loyalty to the cause of education would make an ideal member. He follows correct ideals in administration, is practical and vigilant. If his constituency will measure him up accurately they will not hesitate long in sending him to Ohio's law-making body. He is a definite force that is bound to assert itself in the right direction.

OFFICE OF THE STATE COMMISSIONER OF COMMON SCHOOLS.

COLUMBUS, O., Jan. 31, 1901.

To the Boards of Education of Ohio:

The program prepared by the officers of the Ohio State Association of School Board Members for the fourth session of that organization is full of interest and promise. It is the common testimony of all those who, in former years, have attended the meetings of the association, that great good and much inspiration came from the papers and the discussions. Each board of education, whether city, village, special or township, is earnestly urged to send one or more delegates. Where county organizations, composed of board of education members, are in existence, they also are urged to send county delegates.

Superintendents, teachers, and the public at large will be made welcome, but the association is primarily intended for a free discussion of our educational affairs from the standpoint of the board member. All meetings will be held at the Great Southern hotel assembly room.

LEWIS D. BONEBRAKE, Commissioner.

The fourth annual session of the Ohio State Association of School Board Members will be held in Columbus, Wednesday and Thursday, February 20 and 21, 1901.

Headquarters: Great Southern Hotel.

Dr. W. S. Hoy, president, Wellston; Miss Mary E. Moore, vice-president, Xenia; H. S. Prophet, second vice president, Lima; J. A. Williams, secretary, Columbus.

Executive Committee: Chas. F. Inman, Akron; Dr. J. M. Weaver, Dayton; Mrs. Bina M. Gortley, Sidney.

Let every school board in Ohio send at least one delegate—a general invitation is extended.

PROGRAMME.

Wednesday, 10 O'clock, A. M.

President's Address: W. S. Hoy, Wellston.
Call of delegates and presentation of credentials.
Reading of minutes.

The Financial Affairs of the Board:

1. The school levy, state and local.
2. The miscellaneous receipts of the Board.
3. Provision of funds in anticipation of taxes.
4. Auditing books and vouchers.
5. Bond issues—rate of interest, time to run, their sale, etc.

6. Should the General Assembly provide for a state inspector to audit the books and accounts of all boards of education?

Wednesday, 1:30 P. M.

Paper—The Business End of a School Board.—Wm. George Bruce, Editor of the American School Board Journal, Milwaukee, Wis.

Paper—Causes of School Board Defalcations.—O. E. D. Barron, Columbus.

Discussions of papers, limited to five minutes for each person.

Paper—A Century of School Legislation—Hon. J. M. Sheets, Attorney General, Columbus.

Topics for General Discussion:

1. State Normal Schools and better qualifications of teachers.
2. Should teachers be pensioned?
3. Influence of politics on school board affairs.
4. The public library and the public school.
5. The effective teaching of the common branches.

Wednesday, 7:30 P. M.

"The Rural School Problem."

Paper—Plans for Consolidating country schools. A. J. Surface, West Liberty.

Paper—Better Organization and Equipment of our Rural Schools.—Rev. W. R. Walter, Londonville.

Topics for General Discussion:

1. Duties of township clerks and treasurers.
2. Supervision of rural schools.
3. Township high schools.
4. "The Boxwell Law"—who determines the high school which graduates shall attend? What constitutes a "high school"? What is a reasonable tuition? Is the standard of examination sufficiently high?
5. A model rural school house.

Thursday, 9:00 A. M.

Paper—The Public School Triumvirate.—Superintendent J. C. Fowler, New Lexington.

Paper—What constitutes an Efficient Superintendent? —Director E. W. Bell, Cleveland.

Paper—The Force of the Superintendent's Personality Upon the School.—Supt. E. W. Patterson, Wellston.

Topics for General Discussion:

1. Should Truant Schools be established?
2. Salaries paid male and female teachers holding similar positions.
3. Duty and function of boards relative to the selection and adoption of text books.
4. Uniformity of text books, free text books, or present plan—which?
5. The employment and dismissal of teachers.

Thursday, 1:30 P. M.

Paper—Needed School Legislation for Ohio.—Hon. Lewis D. Bonebrake, State School Commissioner, Columbus.

Paper—Boards of Education—Some suggested changes.—H. S. Prophet, Lima.

Paper—Free Text Books—Advantages and disadvantages.—Supt. C. L. Boyer, Circleville.

Topics for General Discussion:

1. Substitute Teachers.
2. Should board members receive compensation?
3. State graduation and state inspection or high schools.
4. Uniform blanks, books, and forms.
5. What can we do to make this association more effective?

Election of officers and miscellaneous business.

TEXT BOOK NEWS.

Prior to June, 1897, the Spencerian system of penmanship prevailed in the San Francisco schools. In June, 1897, the board of education adopted the California system of vertical penmanship. A contract was made with H. S. Crocker & Co. to furnish text books for a period of four years. On June 30, 1899, the board of education adopted the Shaylor system of vertical round-hand writing and made a contract with Ginn & Co., of Massachusetts, to supply the necessary text books. A citizen brought suit to prevent the adoption of Shaylor's system until after the four years' contract with the Crockers had expired. An appeal was taken by Ginn & Co., and the supreme court reversed the lower court. The supreme court holds that the adoption of the California system of vertical penmanship by the board and its contract with H. S. Crocker & Co. to furnish the books were illegal because due notice had not been published prior to the letting of the contract. The board, in June, 1899, was therefore free to adopt the Shaylor or any other system of writing.

The printing plant owned by the state of California, for the purpose of printing school books, cost over half a million dollars.

Efforts are being made to change the text book law of Kansas, which provides for cheap school books.

Richmond, Va. The state board of education has ordered that Maury's geography, cloth bound be used. The same book in board covers has been taken from the list in order to prevent dealers from selling the one and charging the higher price for the other.

Ginn & Co. have afforded an opportunity of comparing the methods of teaching young children at the close of the eighteenth century, and now, by issuing a facsimile of "The New England Primer," which they call the twentieth century reprint.

Rochester, N. Y. A. J. Townson, president of the board, in his annual report, says: "The settled policy of the board has been to make no change in text books not imperatively demanded by the interests of the

schools; to consider solely the question of merit in the adoption of books, giving a perfectly free field and no favors to all publishers; and to make the very best business terms possible.

Council Bluffs, Ia. The Typographical union is about to inaugurate a fight for free text books.

In Michigan the free text book plan has been thoroughly tried and has proven a success. Fifteen of the largest cities in the state furnish free books to all pupils of the first grade.

A merry war among school book publishing houses is on in the state of Iowa. About thirty-three counties are to adopt books and give five-year contracts in the spring, and numerous representatives of the various houses are visiting these counties now that are to adopt books later. In discussing the matter, an old school book advocate says: "The entire school book business for the half state of Iowa does not amount to more than a half million dollars a year. There are more cigarettes sold in Iowa every year than there are school books. The total cost each year does not average a dollar per child. Yet any man will tell you he is paying from ten to fifteen dollars a year for school books for his children. When you meet such a man, bet him any amount that he has not spent \$5 for books below the high school, regardless of the size of his family, and see him crawl. If you want to make a liar out of a Christian, ask one how much his school books have cost, and he will lie every time."

Butte, Mont. The board has made a purchase of ten International dictionaries, fifty-five Academic dictionaries and five sets of Johnston's Encyclopedias.

Akron, O. The text book committee reported adversely to free text books in the high school.

Pana, Ill. Union printed school text books only are to be used in the schools.

Cincinnati, O. After six years of agitation on the part of the trades unions, free school books have been obtained for the pupils in the intermediate grades of the public schools. It is aimed to extend the system until it embraces the schools of all grades.

Milwaukee, Wis. An effort is to be made to induce the school board to permit no new books to be used in the schools excepting those made by union labor. The Federated Trades Council, at a recent session, appointed a committee for the purpose of appearing before the board to present the cause of union-made books.

Boston, Mass. A plan for the disinfection of school books has been instituted.

Baltimore, Md. The board has decided that all music books purchased in the future shall be of the modern musical series with the supplementary book, "Songs of Life and Nature," published by Scott, Foresman & Co., of Chicago.

Cleveland, O. The Central Labor Union has made the request for the adoption of the free text book system. Supt. Jones and a majority of the members of the school council are in favor of the plan. At present books are furnished to those who say that they are unable to buy them.

Iowa. It is provided by law that whenever more than one-third of the directors of the school districts of a county, outside of cities and towns, shall petition for uniform text books for the rural schools, an election shall be held to pass upon the question.

Havana, Cuba. Contracts aggregating \$110,000 have been awarded for the purchase of school books. The successful bidders are Ginn & Co., Houghton, Mifflin & Co., the Hammatt Co., the American Book Co., and Silver & Burdett.

H. B. McConnell, who formerly represented the Werner School Book Co. in Minnesota and the Dakotas, has retired.

Ralph Hayes, agent for Ginn & Co., at Philadelphia, retired a year ago on account of ill health.

F. D. Farr, of Allyn & Bacon, recently said that he believed agents for high schools and college text books did not meet with as many interesting incidents as do the common school bookmen.

"Look out for Kentucky, educationally, in the coming ten years," recently said J. E. Dorland, who represents the American Book Co. in that state. "In a few years she will have state normal schools. She will have seven months' school term in every district. We have a state auditor who is an enthusiastic public school man, and if he can help it will place Kentucky alongside of her northern states educationally by recommending longer school terms. We are constantly increasing in population, notwithstanding a 'stray shot' here and there. This cry of lawlessness is all bosh. We are all right."

John F. L. Morris, who represents Ginn & Co. in the Hudson river territory and Connecticut, was recently requested to send us a good story. He promptly wrote that he had "shipped it f. o. b. via Syracuse."

The most interesting thing that can be said of E. W. Newton, a Ginn man, whose territory is the earth, is the fact that he has another little boy—three in all now—all boys.

"Pump Vose, he's a story teller," said a bookman recently. He meant the genial L. D. Vose, who travels in the northwest for D. C. Heath & Co.

Mr. Daniel Van Winkle, who was formerly with the Thos. R. Shewell Co., now looks after the Eastern field for Eaton & Co., of Chicago.



AN INQUIRY INTO THE EXTENT AND COST OF THE STUDY IN VARIOUS CITIES THROUGHOUT THE UNITED STATES.

Whenever the subject of physical culture is touched upon by school boards with a view to its introduction into the schools some one remembers that he has somewhere and at some time heard of educational fads. And the result is that the cry of "fads" is raised just as readily when the subject of physical culture is under discussion as it is when clay modeling, cooking or the Spanish language have an inning.

It is seldom, however, that calisthenic exercises, when once introduced, are ever removed again or exposed to serious attack, nor is a high school gymnasium, after the expense of equipment has once been borne, ever molested to any great degree by the disgruntled taxpayer or the officious school board member.

Without entering into a discussion of the subject of physical culture let us see briefly what the various school systems throughout the United States are doing in that direction:

In the following cities calisthenics are taught in the grades by the regular teachers: Albany, N. Y., Chas. W. Cole, Supt.; Dallas, Tex., J. L. Long, Supt.; Elmira, N. Y., Robt. J. Round, Supt.; Jersey City, N. J., Henry Snyder, Supt.; Lawrence, Mass., John E. Burke, Supt.; Milwaukee, Wis., H. O. R. Siebert, Supt.; Paterson, N. J., Addison B. Poland, Supt.; Quincy, Ill., A. A. Seehorn, Supt.; Salem, Mass., John Wright Perkins, Supt.; Trenton, N. J., Leslie C. Pierson, Supt.

Augusta, Ga. Lawton B. Evans, Superintendent. Calisthenics in grades. Swedish system of Military movements. Teachers trained in classes.

Atlanta, Ga. W. F. Slaton, Supt. Calisthenics in grades. Instructor, \$1,200.

Baltimore, Md. Jas. H. Van Sickle, Supt. Calisthenics in grades and gymnasium in high schools. Instructor, \$1,500. Also seven assistants at \$504 each.

Binghamton, N. Y. D. L. Bardwell. Only ordinary exercises for refreshment and rest.

Boston, Mass. E. P. Seaver, Supt. Calisthenics in grades and gymnasium in high schools. Instructor, \$3,000.

Bridgeport, Conn. Chas. W. Deane, Supt. Ling system in grades. Instructor, \$1,400.

Brooklyn, N. Y. Edward G. Ward, Supt. Jessie H. Bancroft, director physical training. Free gymnastics, according to a progressive, graded course of study, are taught by the class teachers in the class rooms, with the exception of a few schools in which light apparatus work is used on free floor space. We are just beginning the instruction of this light apparatus work, and all new buildings are to be equipped for it. The complete plan of work calls for the alteration of free gymnastics with light apparatus throughout the various grades of the eight years' course in the elementary schools. None of the six Brooklyn high schools have gymnasiums, but in two of them are special instructors of this subject, who make the most of class rooms and basement playrooms for this purpose. The Boroughs of Manhattan and the Bronx have at least five high school gymnasiums with special instructors. In Brooklyn there is one director at a salary of \$2,500, and six special teachers for the elementary schools, exclusive of those

in high and training schools. The teachers in elementary schools receive salaries starting at a minimum of \$900 and increasing at the rate of \$100 per year to the maximum of \$1,200. The special teachers are supervisory teachers. They visit each class twice in the school year, once for assistance only, and once for assistance and rating of the work done by the class teacher. This method of infrequent visits from the specialists would not be successful did we not have a large corps of assistant principals (heads of departments), whose duties include the supervision of all subjects taught in their departments. A large majority of our teachers are recruits from our own training school for teachers, where they are thoroughly trained in the conduct of physical training lessons according to the course of study.

Buffalo, N. Y. R. H. Emerson, Superintendent. Calisthenics in grades. Instructor, \$800.

Cambridge, Mass. Francis Cogswell, Superintendent. Ling system in grades. Gymnasium in high school.

Charleston, S. C. H. P. Archer, superintendent. Calisthenics in grades. Gymnasium in high school. Instructor, \$360.

Chicago, Ill. E. G. Cooley, Superintendent. Henry Suder, Supervisor Physical Culture: Physical culture was introduced into the public schools fifteen years ago. The work consists of calisthenics, with and without hand apparatus consisting of Indian-clubs, dumb-bells and wands. Nearly sixty elementary schools are equipped with apparatus for heavy gymnastics and the board has granted authority for the same apparatus in about fifty more schools. Such an equipment consists of four adjustable ladders, four pairs of rings, with swing boards attached to it, two or four horizontal bars and six balance boards. Eight of our fifteen high schools have either gymnasiums or the apparatus which are more manifold than those in the elementary schools, are put up in the assembly halls. Our normal school has also a well-equipped gymnasium. In high schools where there are no gymnasiums, calisthenics are given in the class-rooms or in corridors. Nine instructors are employed to carry out the work in the high schools, eight instructors are employed to teach in the elementary schools, and two instructors give lessons in the normal school. The salaries vary from \$2,400 for the supervisor to \$1,000 for instructors in the elementary schools.

Cleveland. L. H. Jones, Superintendent. Calisthenics in the grades. Three high schools about to be equipped with gymnasiums. One instructor employed at \$1,500 and one at \$1,200.

Cincinnati. R. G. Boone, superintendent. Calisthenics in the grades and gymnasiums in high schools. One instructor at \$1,200.

Columbus. J. A. Shawan, superintendent. Calisthenics in grades, German-American system. One instructor at \$1,000.

Dayton, O. W. N. Hailmann, superintendent. Calisthenics in all elementary grades. A number of board members favor gymnasium for high school and grammar grades. One instructor employed at \$1,000.

Detroit, Mich. W. C. Martindale, superintendent. Calisthenics in primary and grammar grades. Instruction is given the teachers who in turn conduct the work to the school. Gymnasiums for high schools is under consideration.

Elizabeth, N. J. W. J. Shearer, superintendent. Calisthenics in grades. Separate hall used for gymnasium. Instructor part of time at \$600.

Erie, Pa. H. C. Missimer, superintendent. Calisthenics in the grades and high school.

Fall River, Mass. Wm. C. Bates, superintendent. Calisthenics in Swedish system in grades and gymnasium in high school. Supervisor of reading also directs calisthenics. A teacher in

high school gets \$100 extra to look after gymnasium.

Fort Wayne, Ind. J. N. Study, superintendent. Calisthenics in grades. Supervisor of reading also has charge of physical culture. Salary \$1,000.

Grand Rapids, Mich. W. H. Elson, superintendent. Some instruction in calisthenics in the grades. High schools are equipped with gymnasiums. The attention to physical culture lies chiefly in the organization of games and plays, the use of dumb-bell exercises, club swinging, use of pushing bags. All in charge of regular teacher.

Greater New York. Wm. H. Maxwell, superintendent. Calisthenics in the grades and gymnasiums in high schools. The rules on salaries is as follows:

(a) In Borough employing 2,500 teachers or more, male supervisors (or directors) of physical training shall receive \$2,500 for the first year of service and an annual increase of \$100 until the maximum of \$3,000 is reached, which shall be the salary for the fifth year and for succeeding years. Female supervisors (or directors) of physical training shall receive for the first year of service \$2,000 and an annual increase of \$100 until the maximum of \$2,500 is reached, which shall be the salary for the fifth year and for succeeding years.

(b) In Boroughs employing more than 500 teachers, but less than 2,500 teachers, male supervisors (or directors) of physical training shall receive \$2,000 for the first year of service and an annual increase of \$100 until the maximum of \$2,500 is reached, which shall be the salary for the fifth year and for succeeding years. Female supervisors (or directors) of physical training shall receive for the first year of service \$1,500 and an annual increase of \$100 until the maximum of \$2,000 is reached, which shall be the salary for the fifth year and for succeeding years.

Hartford, Conn. Herbert S. Bullard, superintendent. Calisthenics in grades. Gymnasium in high school. Two instructors.

Harrisburg, Pa. L. O. Foose, superintendent. Calisthenics to some extent in primary grades.

Holyoke, Mass. Louis P. Nash, superintendent. Calisthenics in grades and gymnasium in high school. Instructor \$1,300.

Indianapolis, Ind. Calvin N. Kendall, superintendent. Calisthenics in elementary schools. Salary \$600.

Kansas City, Mo. J. M. Greenwood, superintendent. Calisthenics in grades, gymnasium in high schools. Five instructors. Salaries vary.

Lancaster, Pa. R. K. Buehrle, superintendent. Gymnasium for boys.

Lincoln, Neb. C. H. Gordon, superintendent. Calisthenics in grades and partial gymnasium for high school boys.

Los Angeles, Cal. J. A. Foshay, superintendent. Calisthenics in grades. Instructor \$1,300.

Lowell, Mass. Arthur K. Whitcomb, superintendent. Calisthenics in grades. Instructor \$500.

Louisville, Ky. E. H. Mark, superintendent. Girl's high school is partially equipped with gymnasium. One instructor at \$700.

Lynn, Mass. O. B. Bruce, superintendent. Ling system in grades. Gymnasium for girls, military drill for boys. Physical training is compulsory. Instructor \$1,000. Military training instructor \$250.

Manchester, N. H. C. W. Bickford, superintendent. Calisthenics in grades taught by regular teacher.

Memphis, Tenn. Geo. W. Gordon, superintendent. German-American system of physical culture in all grades.

(Continued in next number.)

School Board Journal

Violation of Teachers' Contracts.

BY HON. T. E. RYAN, PRESIDENT BOARD OF EDUCATION, WAUKESHA, WIS.

For the purpose of considering this subject, I deem it necessary to call your attention to the law of the State of Wisconsin regarding the making of contracts between school districts and teachers. Section 438 of the Revised Statutes of the State of Wisconsin provides as follows:



HON. T. E. RYAN,
Elected Pres. Board of Ed.
Waukesha, Wis.

Authorizing him to teach shall be valid; and all such contracts shall terminate if the authority to teach expire by limitation and be not renewed or be revoked."

It will thus be seen that school boards are required to enter into written contracts with all teachers they engage. The advisability of this practice must be conceded, because when the contract is in writing, duly signed by both parties, and filed with the clerk, thereafter there can be no chance for dispute between the parties as to the terms thereof.

For the purpose of treating my subject, it will not be necessary to go into the form of such contracts or the provisions thereof, because contracts between school boards and teachers may necessarily vary as to terms, provisions and conditions, according to the circumstances of each particular case. I do desire, however, to discuss in this paper the obligations assumed by the school districts represented by the school boards and the teacher, under such a contract.

The question of the enforcement of such a contract, according to the terms thereof, so far as the school board is concerned, has often been before our courts, and invariably it has been held by the highest court in this state that the teacher can enforce the contract against the school board so far as his compensation is concerned, strictly according to the terms thereof, provided he can show that there was no default on his part in the performance of the conditions of said contract.

School boards in making such contracts act officially. The contract is made in the name of the district and for its benefit. The school board has no power to discharge the teacher under such contract, unless the teacher is guilty of a violation of his or her contract which at common law would justify an employer in discharging his servant, or when the teacher has lost all right to teach the school by reason of the annulment of his or her certificate, in the manner prescribed by the statute.

In the case of Tripp vs. School District, 50 Wis. 651, it appeared that there was included in the teacher's contract the clause, "We reserve the right to close the school at any time if not satisfactory to us (the school board)". The court held the clause void and the discharge of the teacher thereunder no defense to an action for his wages.

In the case of Richardson vs. School District, 38 Vt. 602, where it appeared that the contract with the teacher contained the following pro-

vision, "that she should leave if the school was not satisfactory;" she was discharged by the school board and in an action to recover her wages, notwithstanding such discharge, the court decided the case held that the provision was valid, and further held that the dissatisfaction with the school management by the teacher must be the dissatisfaction of the district and not of the prudential committee, who signed the contract of hire.

It has, therefore, been held by the court that the contract for hire might be terminated when a majority of the patrons of the school were dissatisfied with it; that the contract cannot be terminated where but one, or even two, of the persons interested in the school, as members of the school board, were dissatisfied. The same rule can be held to apply, in my judgment, in cities where school boards are composed of more than three members. The courts say upon this question that "the school might be a very useful school even though two men in the district were dissatisfied, but it could hardly be so where a majority of the persons having children in the school were dissatisfied with its management.

Thus it will be seen that every safe-guard imaginable is thrown about the teacher for the purpose of protecting him in the contract. And as it may be assumed that school districts are always financially responsible, and a judgment recovered by a teacher against a district being collectible, so far as the teacher is concerned, the law gives absolute protection.

We now come to the question of the remedy and protection of the school district in case of the violation of the terms of the contract on the teacher's part. We will suppose a contract duly entered into, in the manner provided by law, between school district and teacher, and that said teacher should feel disposed, for some reason, to refuse to perform the contract on his part. What remedy has the school district against the teacher in the law? It is true that the school district may sue the teacher for damages sustained by reason of breach of contract on his part. What would be the rule of damages in such a case? Provided the district was not able to secure the services of another teacher for a week, two weeks or a month, how could a court measure the damages that the district sustained by reason of not having school kept in such district for a certain length of time? It would be impossible for a court to establish any rule of damages in such a case, although the district was deprived of a school for a certain length of time through the breach of contract on the part of such teacher, and outside perhaps of the question of expense that the school district would be put to to secure the services of another teacher, no damages could be recovered. But suppose a judgment for damages was recovered against the teacher. We all appreciate that the majority of teachers are execution proof, or, in other words, usually have no property outside of their exemptions in the law, out of which a judgment may be satisfied. This may be true because teachers are, in my judgment, underpaid, and do not receive compensation for their services in proportion to that paid for services which do not require anything like the time for preparation and qualification that is required to prepare and qualify a person as a teacher.

Here you will naturally ask—what have you to suggest by way of remedy in the law towards protection on the part of the school district against violation of contracts on the part of the teacher? In reply I say that teachers in our public schools, more, or at least as much as any other class of people in the world, should fully appreciate and understand the solemnity of the law of contracts, and never should violate his or her contract except when the reason therefor is entirely justifiable, for, in my judgment, a person who regards his word or promise once

given or made carelessly or recklessly, and breaks it without justifiable excuse, is absolutely unfit for a teacher.

I ask you if in your honest judgment there is any virtue that ought to be more firmly impressed upon the minds of our children than the necessity of being truthful and keeping their word and promise strictly, and surely the young men, and young women as well, should be taught the realization of the seriousness and importance of contracts, together with the dishonor and shame that follows unjustifiable violations of the same. And for the purpose of having this subject thoroughly taught to our children, the teachers should have thorough appreciation of the law of contracts themselves.

There is also a business side to the proposition which needs correction, for I ask you is there any more reason why a teacher should not suffer a penalty for violation of contract on his part than that the school district should do so? It does occur (fortunately, however, not frequently) that teachers enter into contracts with school districts for a term or a year, as the case may be, and perhaps before commencing the performance of such contract, or shortly thereafter, receive a more flattering offer from some other district, or other source, and sometimes without notice even to the district with which the contract is made, he or she, finding it to his advantage, unblushingly makes a new contract, and leaves the school district to do the best it can to fill the position, and under such circumstances the school board is often compelled, by reason of the short time perhaps it has in which to secure the services of another teacher, to accept a poorly qualified teacher as a substitute.

I do not wish to be understood, however, as advocating that teachers and school boards may not, in some instances and for certain reasons, mutually agree to excuse a teacher from performance of contract, when it may be for the advantage of the teacher and not to the material disadvantage of the school district. When this is done, however, it should be after consultation of both parties and when it appears that no particular injury will follow to either.

As a remedy I would suggest that Section 438 of our Revised Statutes be amended to the effect that all contracts entered into between school districts and teachers should contain a clause specifying an amount for liquidated damages in case of the violation of the contract on the part of the teacher. The amount so specified may be fixed at one month's salary, agreed upon in said contract, and the teacher should be required to either deposit with the district treasurer, as indemnity, such amount, or give good and satisfactory security to the district that it will be paid in case the contract is violated on the teacher's part. This, in my opinion, would not be a hardship on the part of the teacher, and would, perhaps, serve to impress upon the teacher more frequently the fact that the violation of the contract unjustifiably would be punished by a penalty. I feel that it would give the school district some protection against violation of contracts on the part of teachers, and would perhaps act as an agency to prevent teachers recklessly violating their contracts when otherwise they might be tempted to do so at the sacrifice of their honor and good name, because it must be conceded that a teacher who will go back on his or her word once given, or who violates without justifiable excuse a contract once made, places himself in a position to be justly criticised.

And I would further add that when it appears beyond dispute that a teacher has once unjustifiably broken or violated his contract, his or her certificate should be annulled as provided by law.

THE AMERICAN School Board Journal

DEVOTED TO

School Boards, School Officials and Teachers.

WM. GEO. BRUCE, Editor and Publisher
New York—Chicago—Milwaukee.NEW YORK OFFICE: 3 East 14th St.
FREDERIC H. LARK, Eastern Manager.CHICAGO OFFICE: 195 Wabash Ave.
W. J. LARK, Western Manager.

ISSUED MONTHLY. SUBSCRIPTION, \$1.00 A YEAR.

MAKE YOUR SUPERINTENDENTS GO.

The annual gathering of superintendents will be held at Chicago, February 26, 27, 28, under the auspices of the National Educational Association.

This gathering is always the most important educational event of the year. It covers the many important phases of school administration which affect directly the educational pulse of the nation. The great giants in the school administration are brought together to combat for that which is true, good and noble in the efforts of the schoolmaster. The observations of the ablest and the experience of the most progressive are set forth to bear the light of investigation and criticism. The sparks which fly from the clashing of the steel of the great combatants become visible and inspiring to all. Those who attend are bound to take back to their school systems a new enthusiasm, new ideals and ideas, new strength and energy.

Here is offered an opportunity to compare notes with other superintendents, other school systems, as to organization, conditions, standard and results. Your superintendent will ascertain by comparison where he stands and where your school system stands; secure the most advanced ideas, the best methods; in fact, keep himself and your school system abreast with the best educational thought of the day.

School boards should not only urge their superintendents to go, but compel them to go. All progressive school boards do. They need the benefits derived from these great gatherings for their schools. The expense should be borne out of the school fund, as it is in all cities, towns and villages. It will bear a hundredfold interest to the school system. It is a small investment followed by big returns.

COST OF PHYSICAL CULTURE.

An inquiry into subject of physical culture as fostered in the public schools of the United States reveals some interesting variations as to the degree of attention it is given at the hands of boards of education. It receives practically little or no attention in some few of the larger and smaller cities, while in many places a liberal expenditure for special instruction is allowed. On the whole, the result of our inquiry is most gratifying and is ample proof that the physical, as well as the intellectual, welfare of the American youth is looked after.

The following cities employ instructors of physical culture at salaries named:

Atlanta, Ga., instructor \$1,200; Baltimore, instructor \$1,500, and four assist-

ants \$504 each; Boston, instructor \$3,000; Bridgeport, Conn., instructor \$1,400; Brooklyn, instructor \$2,500, several assistants \$900 to \$1,200 each; Buffalo, instructor \$800; Charleston, S. C., instructor \$360; Chicago, instructor \$2,400, and nine assistants at \$1,000 and upwards; Cleveland, one instructor at \$1,500 and one at \$1,200; Cincinnati, instructor \$1,200; Columbus, O., instructor \$1,000; Dayton, O., instructor \$1,000; Elizabeth, N. J., instructor \$600; Fort Wayne, Ind., instructor \$1,000; New York City, a number of instructors \$1,500 to \$3,000; Holyoke, Mass., instructor \$1,300; Indianapolis, instructor \$600; Los Angeles, Cal., instructor \$1,300; Lowell, Mass., instructor \$500; Louisville, Ky., instructor \$750; Lynn, Mass., instructor \$1,000; Newark, N. J., instructor \$1,000; Norfolk, Va., instructor \$750; Oakland, Cal., calisthenic instructor \$1,200, gymnasium instructor \$1,460; Peoria, Ill., instructor \$1,500; Providence, R. I., calisthenic instructor \$1,000, gymnasium instructor \$800; St. Louis, instructor, \$1,000; St. Paul, instructor \$1,000; San Francisco, instructor \$2,500, three assistants at \$1,200 each; Syracuse, N. Y., instructor \$1,000, assistant \$750; Toledo, instructor \$1,200; Worcester, Mass., instructor \$1,100.

EDUCATIONAL CONVENTION CITIES.

At the ensuing meeting of the Department of Superintendence, to be held at Chicago, the question of locating next year's meeting will come up for discussion and action.

The pet plan of some school men, fostered for a number of years, to locate the winter meetings in one city permanently, has, no doubt, by this time crumbled to pieces. Its supporters will have to content themselves with the satisfaction that at least two successive annual meetings were held in the same city. They will now realize that the original plan can never go into effect.

The one leading argument that superintendents could get together for a more serious discussion of educational problems, without the distractions of sight-seeing, by meeting year after year in some centrally located city, is an attractive one. But there are strong arguments in favor of itinerant meetings.

The National Educational Association is founded for the purpose of promoting the cause of popular education, as well as to advance the interests of the teaching profession. This not only means a fostering of the actual labors incident to its meetings, but also in casting the beneficent influence which radiate to the section of country in which the meetings are held. Itinerant meetings will, in the course of a given period, do more for popular education than immovable meetings possibly can. The former will animate a new as well as an old constituency. The latter are apt to confine their benefits to one class of men and to one section only.

But is it really true that a permanent meeting place obviates the distractions caused by novelty and strangeness of a new city, hence promotes the earnestness of convention labors? A centrally located city must be chosen. It is true Chicago is accessibly located; but it offers no more seclu-

sion for serious conference and work than any other point. If anything, it has more distractions and counter-attractions than any other city on the face of the globe.

Again, it might be held that the press of a large city can or will do great service in spreading the influence of educational gatherings.

One little newspaper in Jacksonville, Fla., did more to spread the good work of the superintendence meeting, held in that city a few years ago, than did the entire Chicago press last February. From the point of view that suitable publicity will spread the good work, the Chicago meeting was simply a small frog in a big puddle.

We do not argue against Chicago as a suitable city for educational gatherings. But we do argue against selecting any one city as a permanent place for the superintendents' meetings.

Let the superintendents' meetings go to new territory, to accessible points, to be sure; but let the real mission of the association be carried to its highest fulfillment. Do the greatest good to the greatest number.

SCHOOL BOARD IDIOSYNCRASIES.

The man who has an eye for the humorous side of things will occasionally come across school administration measures that will add immensely to his amusement. Some of these measures may look quite sensible from a local point of view, where conditions make them necessary or desirable, but assume quite a funny aspect when seen from a distance, or when associated with other measures.

There may be nothing unusual in a rule prohibiting the employment of married lady teachers. But place this rule alongside the one which says that no male teacher shall be employed unless he be married. The women must be single, the men must be married. Odd indeed!

Last year several boards adopted rules prohibiting lady teachers from wearing short skirts. Recently a Texas school board adopted a rule which compelled lady teachers to wear short skirts.

Several boards compel the reading of the Scriptures in the schools, while others prohibit all reference to a Divine law.

Several school boards last winter adopted rules prohibiting teachers from attending dances. One board made the curfew law applicable to teachers as well as children. Two years ago an Ohio board threatened teachers who attended card parties with dismissal. A Michigan village school board prohibits the use of tobacco by male teachers at any time on pain of dismissal.

Several school systems have a rule which provides that janitors must be married. Others require that teachers must visit the parents of their pupils at least once a year.

We know of a board which compels high school graduates to wear cap and gown at commencements, other boards prohibited flowers and fine clothes. One board will not grant graduation certificates to boys who smoke cigarettes.

While many of these rules have only a humorous air about them, some appear actually ridiculous, and yet local conditions may render them quite practical, for a time at least.



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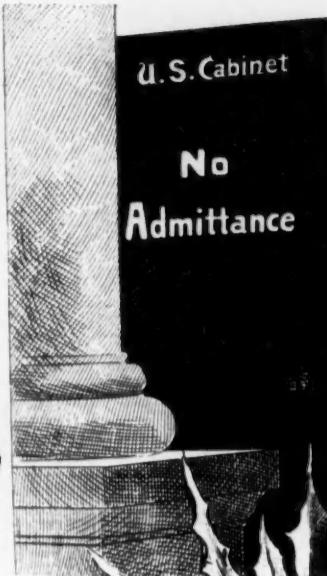
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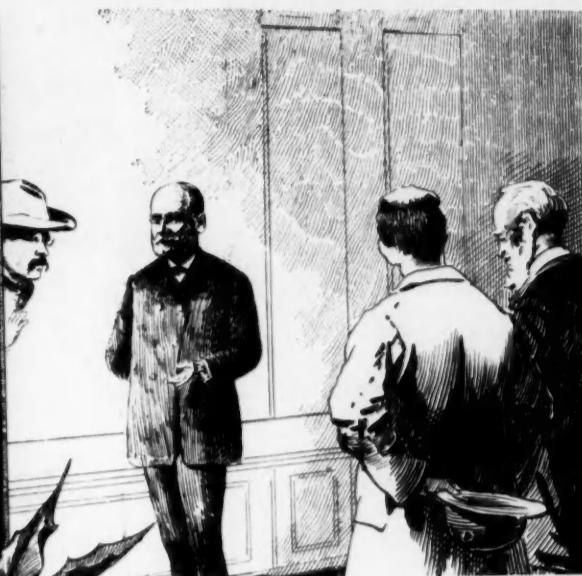
Dr. W



How the recent Minnesota meeting impressed St. Paul, Minn.



Senator Hansbrough asks that a Department of Education, giving the U. S. Commissioner of Education a seat in the President's Cabinet, be created.



Mrs. Mary W. Kincaid elected president of the San Francisco Board of Education, the first woman so honored in that city.

For instance, the rule requiring teachers to wear short skirts may appear like an unwarranted interference with personal rights. And yet the board that recently adopted this rule was urged to do so by able medical authority. It seems that the city in question is a retreat for consumptives. Long skirts sweep the walks and carry with them the disease germs expectorated by the invalids. These germs are readily carried into the school room by the long-skirted teacher. Hence the rule.

And so we might take up the various rules which are ordinarily condemned by conservative people. Local conditions may make an odd rule most serviceable, and while queer acts are occasionally committed by school boards, it is safe to say that frequently the rules that smack of the humorous are most expedient.

REGULATION IS NOT VENTILATION.

One of the peculiar features which has developed in our inquiry on temperature regulation in school houses is the tendency to confound it with another subject.

It would seem unnecessary to explain that heat regulation pertains entirely to a system by which the temperature is con-

trolled against excessive heat or excessive cold.

It would seem equally unnecessary to explain specifically that ventilation pertains to the induction of fresh air and the removal of foul air.

While every one knows this, we find many school officials who do not distinguish temperature regulation from ventilation. It is not ignorance but thoughtlessness that causes the misconception.

It is one thing to provide a class room constantly with fresh air; it is an entirely different thing to so regulate that the air is neither too warm nor too cold. One is ventilation and the other temperature regulation.

TESTIMONIALS TO TEACHERS.

It does not require a diplomatist of a high order or a literary genius to devise a testimonial that tells a great deal and says nothing.

The teacher who seeks a testimonial at the hands of a superintendent may not have been a success, or the superintendent who seeks a recommendation at the hands of the school board may have been a positive failure, and yet both may secure a desirable and effective document in the way of a testimonial. This document may be truthful in

every statement and yet in fact not a recommendation for appointment. Let us produce a specimen:

To Whom It May Concern—The bearer, Prof. I. N. Competent, has been in the service of this board as superintendent of schools for the past two years. He is a scholarly gentleman, thoughtful in method and conservative in action. He possesses a spotless character, is a Christian gentleman, and a member of the All Goodness Church.

During his term of service he has acquired many friends by whom he is loved and respected. In his contact with the public he has displayed tact and judgment, and his relations with the teaching force have been harmonious and friendly.

(Signed) Adam Dodger, President School Board.

The testimonial tells the truth, but not the whole truth. The superintendent may be scholarly, but lack executive ability; he may be a thoughtful man and yet lack energy; he may possess a spotless character and yet be capable of sinful neglect; he may employ tact in dealing with the public and practice rank idiocy in dealing with the schools; his relations with the teachers may have been harmonious and yet have lost utter control over them.



Dr. Wm. J. Gallivan, Boston's School Board President, elected last month.



C. E. Robertson, H. E. Dresser, E. B. Shallow
Brooklyn's great work in providing a free series lectures for the masses.



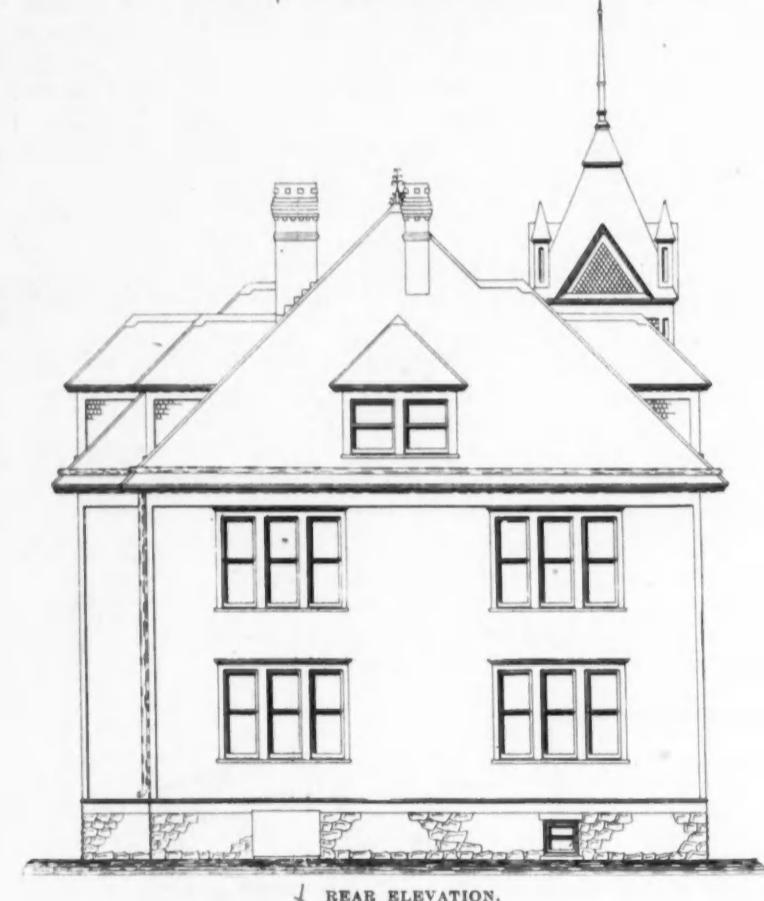
Dr. Charles Franklin Thwing, President of Western Reserve University, addresses the California Teachers' Association on "The Teacher as a Force in Civilization."



FRONT ELEVATION.



SIDE RIGHT ELEVATION.

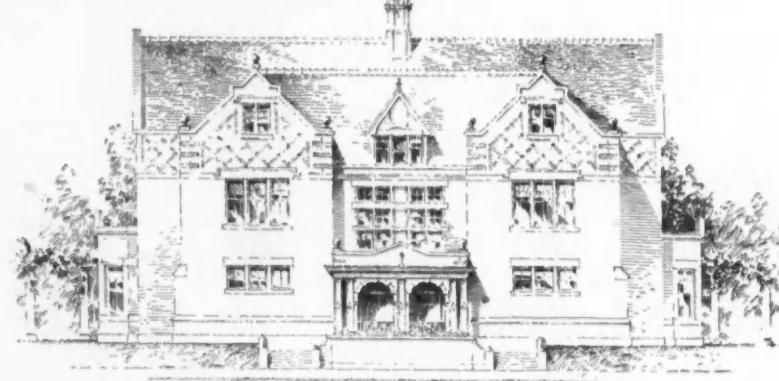


REAR ELEVATION.

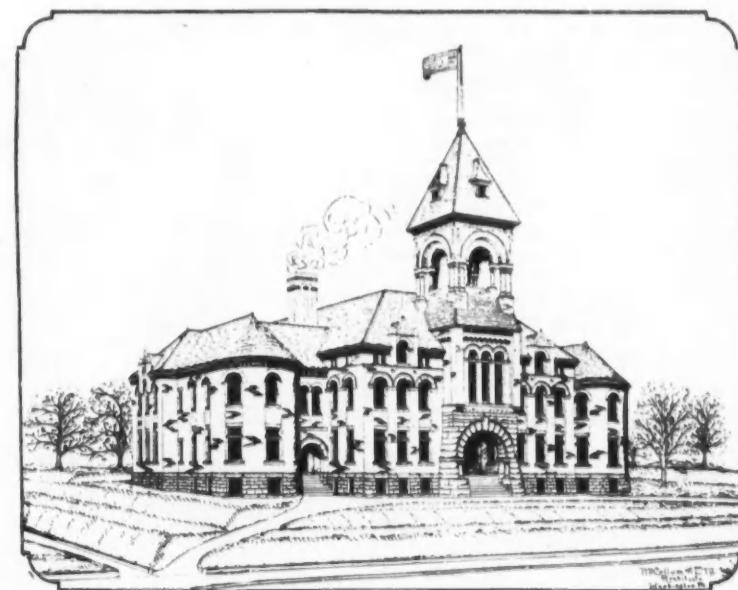


SIDE LEFT ELEVATION. PERSPECTIVE PLANS.

These plans were drawn by Joel Oberg, Architect at Ogden, Iowa, for a school to be erected at Oak Hill, W. Va. They cover a six room building.



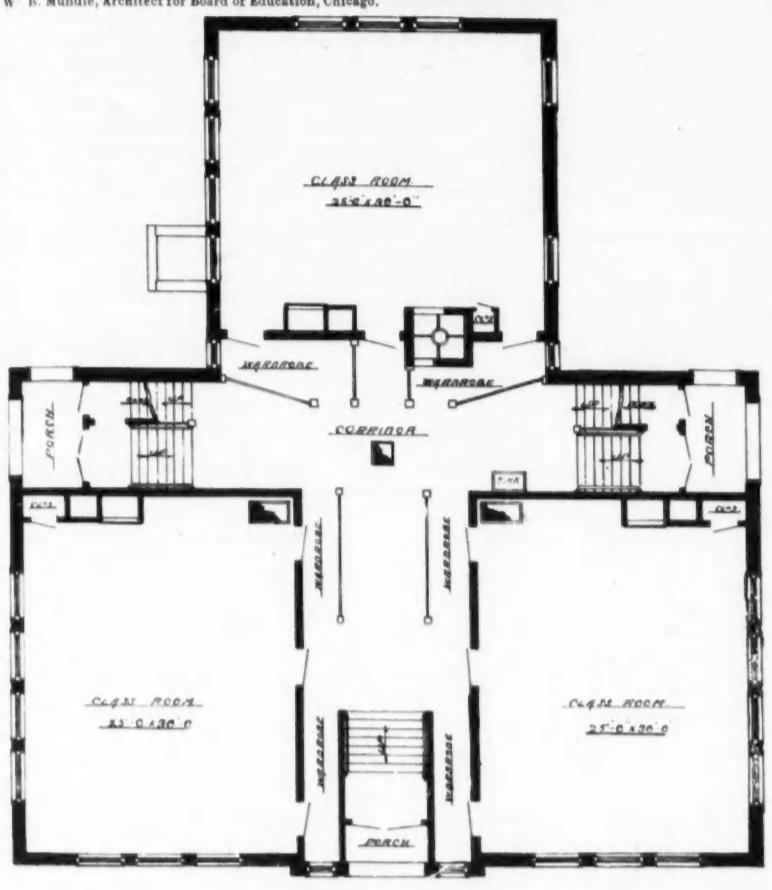
ONE OF THE DORMITORIES OF THE NEW CHICAGO PARENTAL SCHOOL.
Wm. B. Mundie, Architect.



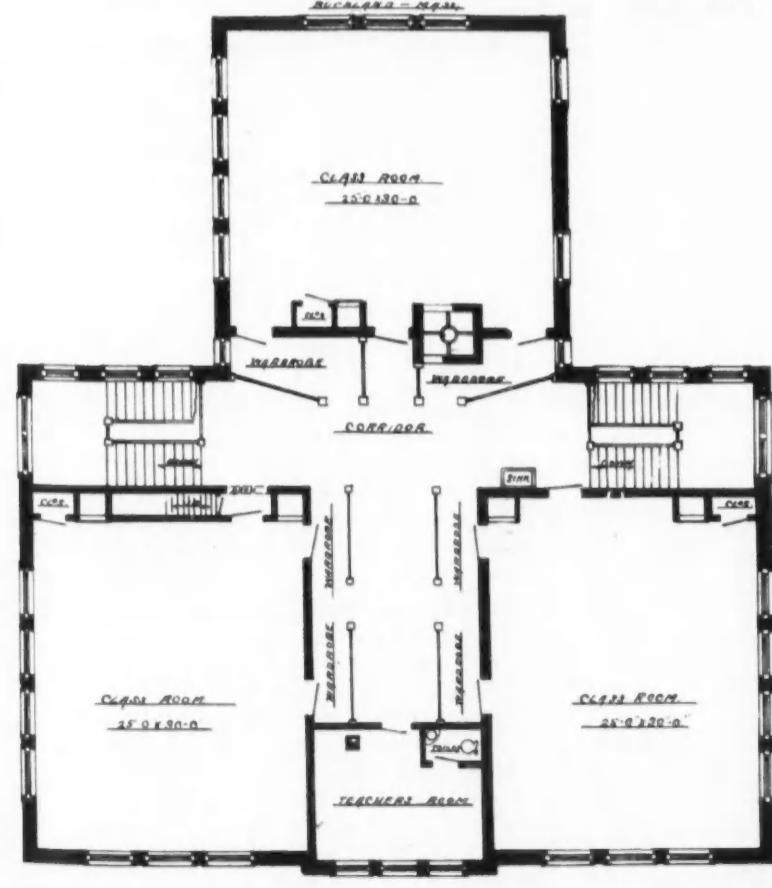
THE NEW HIGH SCHOOL, WASHINGTON, PA.
McCullum & Eby, Architects, Washington, Pa.



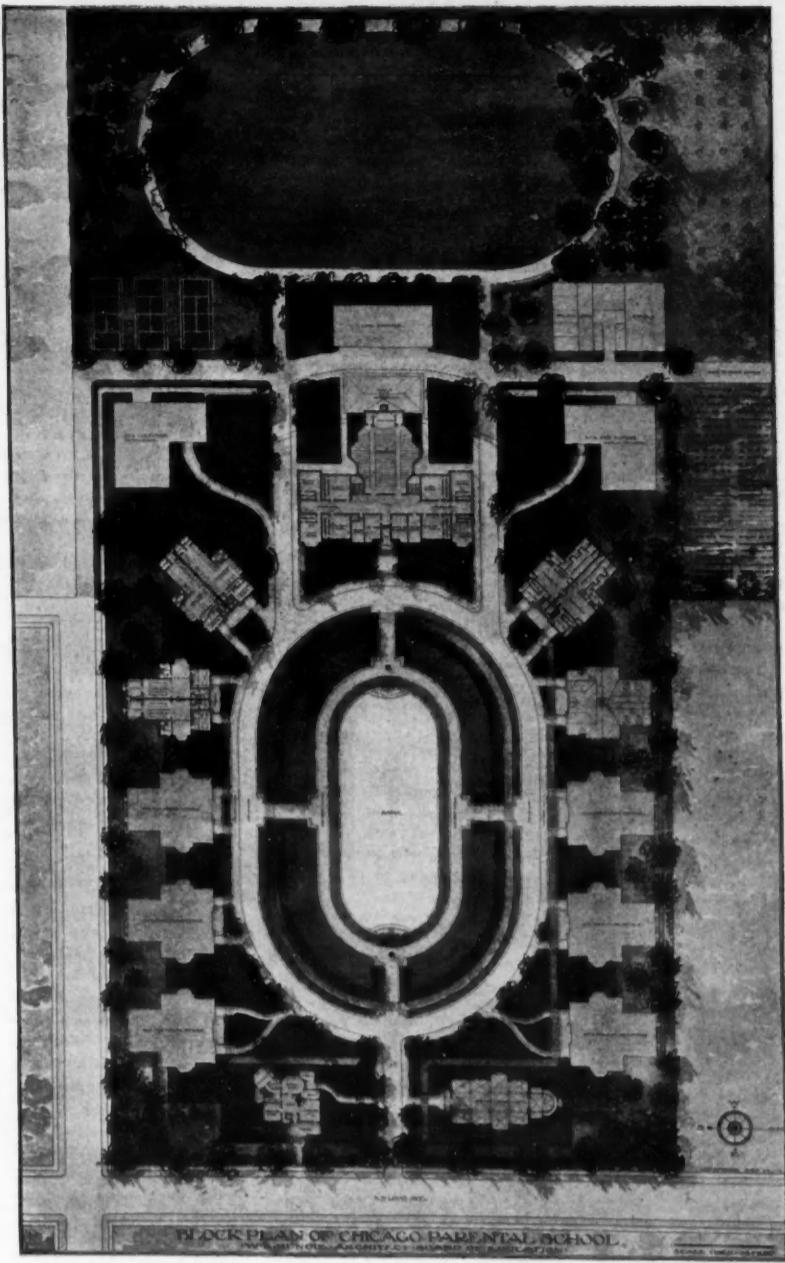
NEW CHICAGO PARENTAL SCHOOL.
W. B. Mundie, Architect for Board of Education, Chicago.



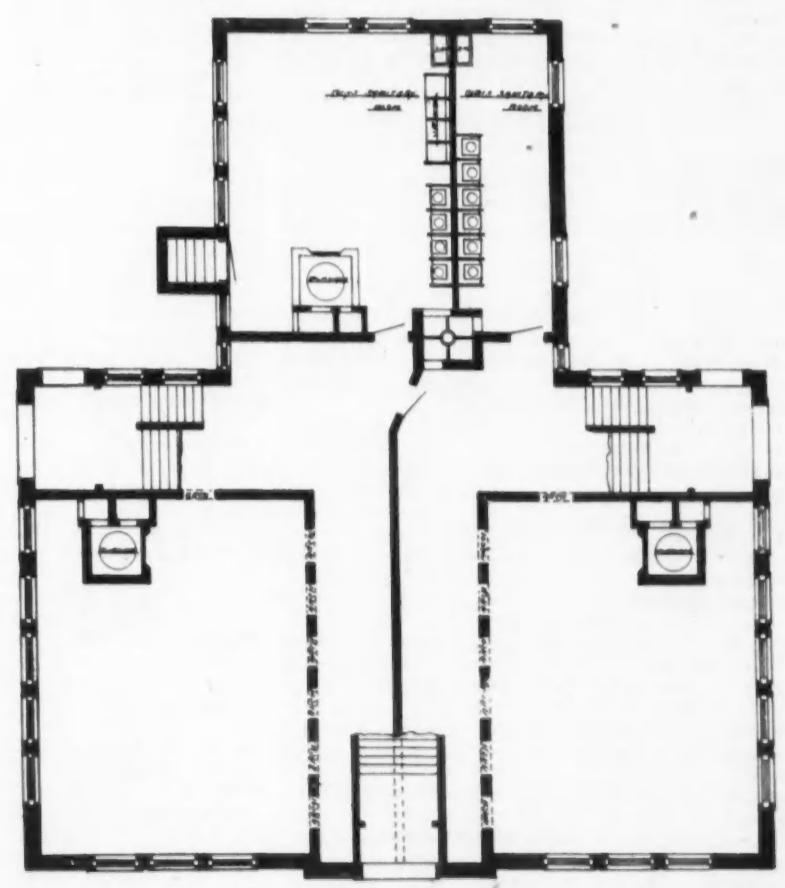
FIRST FLOOR PLAN
SCHOOL BUILDING FOR
BUCKLAND - MASS.
— W. B. MUNDIE —
HOLYOKE MASS.



SECOND FLOOR PLAN
SCHOOL BUILDING FOR
BUCKLAND - MASS.
— W. B. REED — ARCHITECT
HOLYOKE MASS.



BLOCK PLAN OF THE NEW CHICAGO PARENTAL SCHOOL.
W. B. MUNDIE, Architect for Board of Education, Chicago, Ill.



FOUNDATION PLAN
SCHOOL BUILDING FOR
BUCKLAND - MASS.
— W. B. REED — ARCHITECT
HOLYOKE MASS.

FLOOR PLANS, NEW SCHOOL, BUCKLAND, MASS. W. B. REED, ARCHITECT, HOLYOKE, MASS.

School Board Journal

SUPPLIES AND EQUIPMENTS.

Pekin, Ill. The Alfred L. Robbins-Martin Co. proved the lowest bidder on physical apparatus.

Columbus, Kan. The school board has purchased a Smith-Premier machine with tabulator for use in the Cherokee county high school.

Alexandria, Va. The school rooms are disinfected once a week. The formaldehyde disinfecting lamps are used, and Supt. K. Kemper states that they are proving satisfactory.

Hastings, Neb. The Dixon pencils are in use in the schools.

Racine, Wis. Kindergarten material purchased from the Thos. Charles Co.; drawing material from the Prang Educational Co.; general school supplies from the Caxton Co. and from J. M. Olcott & Co.

Kent, O. The purchase of maps was made from Atkinson & Mentzer, of Chicago.

La Crosse, Wis. Pencils manufactured by the Joseph Dixon Crucible Co. have been introduced in the schools.

Canon City, Colo. A Smith-Premier typewriter has been purchased for use in the schools.

The Geo. L. Squire Mfg. Co., of Buffalo, has sold out its filter department to the Pasteur-Chamberlain Filter Co., of Dayton, O.

Mankato, Minn. All the schools are connected by telephone.

Lancaster, O. A Smith Premier Typewriter has been purchased for use in the boys' industrial school.

Cedar Rapids, Ia. Pencil sharpeners purchased from the National Publishing Co.

Dunkirk, N. Y. The board made a purchase from the J. L. Hammert Co.

Greenville, Miss. All supplies required in school work are carefully computed as to cost, and the books are estimated by their probable life as well as value. From the sum of all expenses in this line a ratio of rent for supplies and books is fixed. Last year, it is claimed, the parents saved about \$4,000 by the plan.

Milwaukee, Wis. The school board has purchased a Smith-Premier machine for use in the high school.

Newark, N. J. For sanitary reasons the use of slates and pencils are to be done away with and lead pencils and paper supplied instead.

Belleview, Ky. A Smith Premier Typewriter has been purchased by the board of education.

Chicago. Laboratory supplies purchased from the Chicago Laboratory Supply and Scale Company; ink from A. B. Dick Co., and drawing supplies from the American School Furniture Co.

Norfolk, Va. The board of education has purchased two Smith Premier Typewriters to be used in the high school.

C. M. Hill, agent for Atkinson & Mentzer, school supplies, Chicago, doing business in the vicinity of Churnbusco and other points in Indiana, has disappeared. It is charged by this representative of the firm that Hill "worked" Landlord Clugston of the Columbia City Hotel for two weeks' board, and a number of merchants for various amounts, and the three school trustees who paid cash for their supplies will probably lose the amounts, as the Chicago firm says it will replevin the goods. Hill was last seen in Toledo, O. He will be prosecuted if caught.

Philadelphia, Pa. The board of education has purchased five Smith Premier Typewriters, one of which will be used for instruction purposes in the Commercial High School for Girls.

Cochecton, O. The board has adopted the Dixon pencils.

Chicago, Ill. Contract for blackboards given the Standard School Furnishing Co.

Saginaw, Mich. The board made a purchase of maps from Rand, McNally & Co.

Utica, N. Y. Drawing material purchased from the Prang Educational Co.; book covers from the Holden Patent Book Cover Co.; kindergarten supplies from the Milton Bradley Co., and general supplies from the American School Furniture Co.

Grand Rapids, Mich. General school supplies purchased from the School and Office Supply Co.

Rockford, Ill. Two Smith Premier Typewriters have been added to the equipment of the Rockford high school.

Benson county, N. D. Bought new furniture to the amount of \$1,500 from the Minneapolis Office and School Furniture Co.

The Sterling School Supply Co., of Mount Sterling, O., has published a pocket class record for teachers.

The Rohde Kindergarten Supply Co., of Milwaukee, has been incorporated with the following officers: President, C. A. Rohde; Secretary, Cassius M. Paine; Treasurer, W. P. McLaren, Jr.

Sorocco, N. M. A Smith Premier Typewriter has been purchased for instruction purposes to be used in the school.

Findley, O. Telephones are to be placed in all the schools.

Brookings, S. D. A Smith Premier Typewriter has been purchased for use in the Agricultural College.

Baltimore. The city college hall will be furnished with folding opera chairs by W. J. Dulaney Company, at \$3 each.

The Holden Book Cover Co., of Springfield, Mass., has issued a tasteful calendar for school use. It has also

issued "A Word to Taxpayers," a circular printed in an exceptionally tasteful manner.

Owingsville, Ky. A Smith Premier Typewriter has been purchased by the superintendent of the county schools.

West Des Moines, Ia. Steps have been taken to put fire escapes on the high school.

Stevens Point, Wis. A purchase of supplies has been made from the Central School Supply House, of Chicago.

The Palmer Electrical Instrument Co., of Philadelphia, has heretofore been conducted by firm consisting of C. W. Swoope, S. M. Palmer and A. P. Palmer. The firm has been dissolved, and C. W. Swoope will continue the business under the old name.

The rapid blackboard liner which was patented last year and on which there is such a demand is sold by Peckham, Little & Co., New York, at fifteen cents.

The Albany Venetian Blind Co., of Albany, N. Y., has issued an illustrated catalogue. It contains aside from illustrations and descriptive matter of its productions a fine series of school houses and other public buildings.

The Kalamazoo Bookholder for dictionaries remains the standard article in the face of competitors. It is manufactured by Ihling Bros. & Everard, Kalamazoo, Mich.

The series of projection lanterns manufactured by A. T. Thompson & Co., of Boston, embody all the latest improvements.

Chicago. The bidders were the A. H. Andrews Co., The American School Furniture Co., The Century Seating Co., and the George Sherwood Co. The board rejected all bids and will advertise again. About \$50,000 worth of school furniture is to be purchased.

"For the past thirty-five years," said Mr. John B. Coles, president of the N. Y. Silicate Book Slate Co., "we have supplied the trade with our silicate book slate, etc. The board of education of New York used them in all the public schools for twenty-nine years; also the board of education of Philadelphia. This speaks volumes. You will readily understand that goods proving to give satisfaction on account of their great durability, being very light to handle, being perfectly noiseless and unbreakable, will take the lead over any other kind of slates. Another important fact is pencil marks can be erased with a piece of dry cloth, doing away with moisture, as commonly used on all other slates. There is no wood work about them, and when thrown at the teacher or the side of the school house, they hit heavy, but will not come apart or break. To test the slate, take a common iron nail and rub over the surface; you will see the nail wear off and leave no impression on the slate."

The Smith-Premier Typewriter Co. has opened a new office at 338 Broadway, New York City. The new headquarters are provided with a kind of reception room for the use of stenographers. It is provided with the leading educational journals. The office is in charge of Mr. W. J. Durphy, manager.

Warren B. Ellis has purchased the business of the Franklin Educational Co. from Mr. Geo. A. Smith. The sale went into effect Jan. 1. The business will be conducted under name of Franklin Laboratory Supply Co. When a boy Mr. Ellis started in this line with E. S. Ritchie, of Brookline, Mass., but left it to engage in an entirely different line, coming back to his first love about three years ago by connecting himself with the Franklin Co. Mr. Ellis is a Mason, being Grand High Priest of Massachusetts.

Geo. A. Smith, president of the Franklin Typewriter Co., met with an accident about two months ago, when he fell, fracturing his arm and dislocating it at the shoulder. The doctor dressed the fracture; but, thinking the continued pains in his shoulder due to a torn muscle, neglected it. For six weeks it remained unset, till a growth appeared, when another doctor was called in with an X-Ray and discovered the cause. At first it was feared the arm must be lost, but after an operation hopes were entertained for saving it. Another operation is necessary, however, and it will be some weeks before Mr. Smith will be able to be about.

About March, J. L. Hammert & Co. will remove their Boston business to 120 Summer street, where they will have an entire building, four floors and basement.

When a sample school desk was recently presented at the Chicago board of education rooms by the A. H. Andrews Co., it was found that some one had tampered with it. It was claimed that a rival agent had tried to injure the desk in order that it might fall in a test.

Minden, Neb. A Smith Premier Typewriter has been purchased by the board of education.

Mr. Benjamin F. Clayton, who went to Cuba two years ago with the quartermaster's department, U. S. A., is in New York making arrangements to represent The Central School Supply Co. in the island ward of ours. Mr. Clayton witnessed the hauling down of the Spanish flag and raising of the American flag over Morro Castle, in Havana, and said the stoical calmness of the Spanish officers was a matter of general comment. The governor and staff, however, broke down and wept bitterly when they witnessed what they knew to be the last of Spanish reign in the new world where once they had been a power. Mr. Clayton is an advocate of the teaching of Spanish in the public schools in this country.

SCHOOL FURNITURE.

Chicago, Ill. Seats and desks purchased from the A. H. Andrews Co.

Sparta, Mich. The board has contracted for 400 desks from the Grand Rapids School Furniture Co.

Hudson River Military Academy, Nyack, N. Y., has just placed an order with the Chandler Adjustable Chair & Desk Works for a quantity of their chair desks.

The school board of Altmar, N. Y., has awarded contract for school furniture to the Thomas Kane & Co. Works.

Cedar Rapids, Ia. A supply of desks purchased from the Spokane Furniture Co.

Chicago, Ill. At a recent meeting of the committee on buildings called for the purpose of purchasing school desks several funny incidents happened. One of the agents when he was about to exhibit his desk found that they had been tampered with and he charged his competitors with unprofessional conduct, another agent selected a desk from the samples in the room and demonstrated its superiority over all others present. When his exhibition was concluded it was discovered that he had been lauding to the skies a desk belonging to another company than the one he represented.

The Grand Rapids School Furniture Works were the successful bidders on school furniture at Perth, N. Y.

The American School Furniture Co. secured contract for school furniture at New Hartford, N. Y.

The Grand Rapids School Furniture Works were awarded contract for school furniture at Champlain, N. Y.

The board of education at Sloatsburg, N. Y., after examining all the different school desks made, awarded contract to the Grand Rapids School Furniture Works for Ball Bearing School Desks.

The Grand Rapids School Furniture Works secured contract for school desks at North Bangor, N. Y.

The American School Furniture Co. were awarded contract for school furniture at Suffern, N. Y.

The board of education at East Williston, N. Y., awarded contract for school furniture to the American School Furniture Co.

Thos. Kane & Co. Works were awarded contract for school furniture amounting to several hundred desks for the schools of Richmond Borough, New York.

The board of education at Arcade, N. Y., awarded contract for school furniture to the American School Furniture Co.

The American School Furniture Co. were the successful bidders at Lewiston, N. Y.

The American School Furniture Co. has just delivered a large quantity of school furniture to the Buffalo, N. Y., City schools.

The board of education at Burlington, Vermont, gave contract for school furniture to the American School Furniture Co.

The American School Furniture Co. were awarded contract for several hundred school desks for the State Normal School at Fredonia, New York.

The board of education at Rushville, N. Y., awarded contract for school furniture to the American School Furniture Co.

The American School Furniture Co. were awarded contract for school furniture at Watertown, N. Y.

The Chandler Adjustable Chair & Desk Works were awarded a very nice order for school furniture at South Natick, Mass.

The Chandler Adjustable Chair & Desk Works were awarded contract for several hundred chair desks at Winchester, Mass.

The Chandler Adjustable Chair & Desk Works were given order for 400 chair desks at Arlington, Mass.

The American School Furniture Company were the successful bidders on school furniture at Oakville, Conn.

The Chandler Adjustable Chair & Desk Works were awarded contract for 200 chair desks at Ansonia, Conn.

Thomas Kane & Co. Works secured order for school furniture at Bar Harbor, Maine.

The Grand Rapids School Furniture Works were awarded contract for school furniture at Murray Hill, N. J.

The Grand Rapids School Furniture Works were the successful bidders on school furniture at Ramsay, N. J.

TEACHERS OF PHYSICAL GEOGRAPHY

Who are using a lantern or stereopticon, or who may contemplate doing so in the near future, will be interested to learn that the Massachusetts Geography Club has compiled a set of 500 lantern slides illustrating Physical Geography.

These slides have been very carefully selected from many thousand subjects, more than two years having been spent in the work. They are carried in stock only by A. T. Thompson & Co., Boston, Mass., manufacturers of projection apparatus, to whom all inquiries and orders should be addressed.



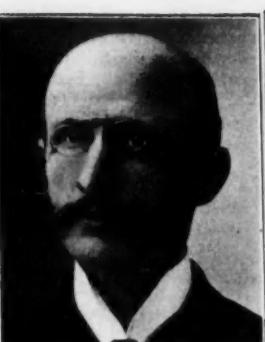
JAMES A. VAN SICKLE,
Supt. of Schools,
Baltimore, Md.



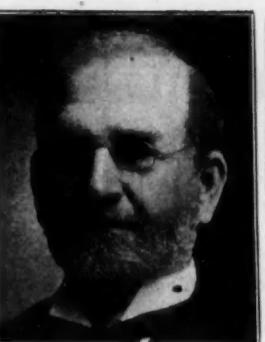
E. H. MARK,
Supt. of Schools,
Louisville, Ky.



J. H. TRYBOM,
Director of Manual Training,
Detroit, Mich.



H. E. KRATZ, Ph.D.,
Supt. of Public Schools,
Sioux City, Ia.



PROF. W. H. BEACH,
High School,
Milwaukee, Wis.



PROF. FRANK R. DYER,
Supt. of Schools,
Wichita, Kas.

The Death of Chas. J. Reed.

Friday, Jan. 11, 1901, Charles J. Reed, manager sales department, American School Furniture Co., passed into eternal rest at his home in New York City, after a brief but severe attack of pneumonia, in the thirty-eighth year of his age.

All that human skill could do was done to prolong his life; the most renowned specialists being called to attend him, but without avail. He had the dread disease in its most malignant form, and, surrounded by loving, sorrowing friends, he peacefully passed away. His burial occurred at Chicago—the home of his childhood and his parents—Jan. 14.

Mr. Reed was probably the most widely and favorably known person connected with the school furniture industry, having followed that business all of his business life. In 1877, as a boy, he entered the employ of Hadley Bros. & Kane, Chicago, which firm soon afterwards became the well-known concern of Thos. Kane & Co. He remained with this company until 1886, when he went to Grand Rapids to take charge of the sales department of Perkins & Hess, manufacturers of school furniture. Soon after, this concern was reorganized under the name of the Grand Rapids School Furniture Co., with C. J. Reed as secretary. Afterwards he was elected vice-president of the company. During his connection with this concern, Mr. Reed always took active management of its sales department, and the success of the company under his guidance is too well known to need mention. He was one of the moving spirits in the formation of the American School Furniture Co., and in April, 1899, connected himself with that company as a heavy stockholder and manager of sales department. Mr. Reed leaves a wife and mother to mourn his loss.

His was one of the brightest minds ever engaged in the school furniture business. Seemingly no problem was ever too great for him to instantly grasp and solve; where other men faltered and hesitated, he pressed right through the difficulty, whatever it might be, and carved success for himself and his business associates.

"By nature he was genial and kindly beyond description," said an associate, feelingly. "Nothing could mar the sunshine of his disposition. No matter how business cares were wearing on him, he always had a smile and a cheery word for those around him. He was beloved by all, but especially by those who were in his employ, for to them he was an idol."

"All that was mortal of C. J. Reed has passed to the great beyond, but his memory will live forever in the hearts of those who were associated with him and knew him best. The world is better for his brief sojourn amongst us. May God, in His infinite mercy, deal tenderly with those who are left to mourn the loss of one of the truest men who ever lived—Charles J. Reed."

PRIZE ESSAYS ON SCHOOLS.

The sum of \$100 will be distributed in the form of cash prizes for the best essay on a model district school house, by the American School Furniture Co., 111 Fifth avenue, New York City.

The essays must not contain over 3,000 words each and must be submitted before March 1, 1901. The \$100 will be distributed in prizes as follows: First prize, \$50; second prize, \$25; third prize, \$15; fourth prize, \$10.

The proposition is a commendable one, in that it will bring out some valuable and timely matter on the subject of district school houses. We shall watch the result with interest. A full explanation will be sent upon application.

School Board Finance.

Washington, D. C. The board of education is contemplating the erection of a number of new school buildings. The following general conditions are to be insisted upon in the architecture, and plans must be so designed that these conditions can be fulfilled:

1. In each class room not less than fifteen square feet of floor area shall be allotted to each pupil.

2. In each class room the window space shall not be less than one-fourth of the floor space, and the distance of the desks most remote from the window should not be more than one and one-half times the height of the top of the window from the floor.

3. The height of the class room should not exceed fourteen feet.

4. The provisions for ventilating should be such as to provide for each person in a class room not less than thirty cubic feet of fresh air per minute, which amount must be introduced and thoroughly distributed without creating unpleasant draughts or causing any two parts of the room to differ in temperature more than two degrees Fahrenheit, or the maximum temperature from heating appliances to exceed 75 degrees Fahrenheit. The velocity of the incoming air should not exceed two feet per second at any point where it is liable to strike on the person.



MANUEL C. DE BACA,
Supt. Public Instruction of New Mexico,
Santa Fe.

5. The heating of the fresh air should be effected by indirect radiation if steam heat is used.

6. Heating appliances should be sufficient to maintain an inside temperature of 72 degrees Fahrenheit during zero weather.

7. Each class room should contain not less than 250 cubic feet of air space for each pupil.

8. All closets for clothing and wraps should be thoroughly ventilated.

9. The board of school trustees will specify the number of pupils per room in each case.

10. Each story should be provided with two independent stairways of fireproof construction."

Louisville, Ky. The board voted down a resolution to employ but union men in the construction and repairing of school houses.

Columbus, O. The per capita expense of running the public schools has been determined by Clerk Williams. His estimate, which is based on the total registration, is as follows: All grades—Tuition, \$16.78; contingent expenses, \$3.06; total, \$19.84. High schools—Tuition, \$35.49; contingents, \$3.96; total, \$39.45. Elementary grades—Tuition, \$14.66; contingents, \$2.96; total, \$17.62. Normal schools—Tuition, \$22.16; contingents, 48 cents; total, \$22.64. Evening schools—Tuition, \$5.57; contingents, \$1.63; total, \$7.20.

Newark, N. J. Superintendent Gilbert has criticised the board of education's method of employing architects to plan and supervise the erection of new school houses. Mr. Gilbert asserts that most of the new buildings "are lacking in some important part and one of them is hopelessly hideous."

Omaha, Neb. A proposition to ask the Masonic order to officiate at the laying of the corner stone of the high school was voted down in favor of requesting the mayor to conduct the exercise.

Lyons, Ia. Average cost of tuition per month for each pupil is \$1.36.

Chicago, Ill. William B. Mundie, architect of the board of education, says that it seems to him a gross absurdity to blame the light in the school buildings for the poor eyesight of many of the children. He holds that poorly printed books and home conditions are more responsible for defective vision than any other cause.

St. Joseph, Mo. The board is going to introduce portable school houses to obviate the crowded condition of some of the school houses.

Houghton, Tex. The Court has decided that the payment of salaries to school board members is unlawful.

Chicago, Ill. Certain religious newspapers and certain of the clergy are hurling invectives at the board because by a vote of 13 to 6 it has decided not to permit in the schools readings from the bible. It can be stated that the school board did not act hastily. It had the subject under advisement for nearly a year.

Bowling Green, O. A savings department for the pupils has been introduced.

Appointments and Elections

Oswego, N. Y. President, D. P. Morehouse, Troy, N. Y.; secretary, John J. Redmond.

Los Angeles, Cal. President, W. J. Washburn.

Utica, N. Y. Chairman, John F. Hughes; vice-chairman, William Fraser; treasurer, A. V. Lynch.

Ogden, Utah. President, Thos. D. Dee; vice-president, R. S. Joyce; members, D. Joyce, G. H. Hislop, N. W. Gwilliams, Dr. Conroy.

Salt Lake City, Utah. President, W. J. Newman; vice-president, Simon Bamberger.

Nashua, N. H. President, Lester T. Thurber; clerk, John H. Vickory; members, John H. Field, W. H. Flather, W. H. Beasom, Walter C. Harriman.

Findley, O. Member, N. L. McLachlan.

Houma, La. President, Thos. Casey, Gibson.

Philadelphia. President, Samuel Huey; vice-president, Mr. Edmonds.

Newport, Ky. Members, W. T. Eischenmidt, John Dittus, Jacob Swope, George Dorne, John Herman.

Chattanooga, Tenn. President, G. Q. Adams; vice-president, P. A. Brawner; clerk, Miss Daisy Barrett.

Wausauke, Wis. President, Daniel Watters; vice-president, H. G. Shallow; secretary, H. G. Laun, Martin McDonough.

Waycross, Ga. President, D. R. Walker; A. A. Walden, Benj. Sirmans, Elisha Moore, Ben. M. James.

Indianapolis, Ind. President, Geo. W. Sloan; vice-president, Andrew M. Sweeney; secretary, Frank L. Reissner; business director, Albert Baker, \$2,400.

Atlanta, Ga. President, Hoke Smith; vice-president, Hamilton Douglas; treasurer, Jos. T. Orme.

Madison, Wis. President, John Corscott; treasurer, E. A. Birge; clerk, O. S. Norsman.

Birmingham, Ala. President, A. O. Lane.

La Crosse, Wis. President, Paul W. Mahoney, F. H. Hankerson, Mr. Evans.

Wheeling, W. Va. President, Frank W. Bowers; clerk, Walter Hall; A. O. Maxwell, Col. J. A. Miller.

Minneapolis. President, Dr. Thomas Quinby; secretary, John A. Sehlerer.

Lexington, Ky. New members: W. B. Talbert, J. T. Tunis, R. H. Byrnes, E. N. Wickliffe, Virgil McClure, J. H. Stables; hold-over members: C. J. Myers, Fred Lazarus, J. D. Wooley, W. J. Loughridge, A. M. Skinner.

Omaha. President, C. S. Hayward; vice-president, M. F. Funkhauser.

Minnesota Associated school boards: President, J. M. Brown, Austin; vice-president, J. H. Sharp, Moorhead; secretary, W. P. Hodges, Sleepy Eye; treasurer, J. O. Milne, Duluth; delegate to National Educational Association, Dr. W. A. Hunt; alternate, the president.

New Jersey School Board Association: President, St. John McCutcheon, Plainfield; first vice-president, H. Brewster Willis, New Brunswick; second vice-president, Abram T. Morris, Lyons Farm; third vice-president, C. H. Osgood, Atlantic City; secretary and treasurer, J. Brognard Betts, Trenton.

Superintendents.

Rochester, N. Y., superintendent, C. B. Gilbert, \$5,000; Nashua, N. H., superintendent, Jas. H. Fassett; Houma, La., superintendent, Arthur Kelly, \$600; McDonoghville, La., superintendent, Frederick Middleton; Wheeling, W. Va., superintendent, Anderson; Perysburg, O., superintendent, D. A. Haylor; Elberton, Ga., J. C. Langston; Blair, Neb., H. H. Hahn; Newark, N. J., Addison B. Polard.

Educational Associations.

California Teachers' Association: President, Richard D. Faulkner, San Francisco; first vice-president, O. W. Erlewine; second vice-president, Edw. Hyatt, Riverside; secretary, Mrs. M. M. Fitzgerald, San Francisco; asst. secretary, Chas. C. Hughes, Alameda; railroad secretary, Frank F. Bunker; treasurer, Phillip Prior, San Francisco.

Illinois State Teachers' Association: President, David Feimley, normal; first vice-president, Supt. W. R. Kinsey, Tamaroa; second vice-president, Miss Kate Rutherford, Peoria; third vice-president, Miss Cora M. Hamilton, Pontiac; secretary, Joel M. Bowly, Carbondale; treasurer, J. M. Frost, Hinsdale; railroad secretary, E. C. Rosseter, Chicago; member executive committee for three years, Henry Shrock, Carbondale; board of directors, J. D. Shoop, Paris; Miss Anna E. Hill, Chicago; H. C. McCarrel, Griggsville; F. D. Thomson, Galesburg; Miss Sarah J. Whittenberg, Vienna.

Indiana State Teachers' Association: President, H. B. Brown, Valparaiso; permanent secretary and treasurer, James R. Hart, Lebanon; recording secretary, Miss Lella Vaught, Martinsville; chairman executive committee, Lawrence McTernan, Anderson.

Iowa State Teachers' Association: President, A. W. Stuart, Ottumwa; first vice-president, J. P. Huggett, Cedar Rapids; second vice-president, E. U. Graff, Red

Oak; third vice-president, E. C. Lilly, Independence; secretary, W. F. Barr, Des Moines; member executive committee, H. E. Kratz, Sioux City; members of the educational council, President, G. W. MacLean, Iowa City; A. T. Hukill, Waterloo.

Kentucky Teachers' Association, president, Miss Katie McDowell, Hopkinsville.

Minnesota Educational Association: President, Supt. J. A. Van Dyke, Fergus Falls; corresponding secretary, D. E. Cloyd, Minneapolis; recording secretary, Miss Sarah Brooks, St. Paul.

Nebraska State Teachers' Association: President, U. S. Conn, Wayne; secretary, Miss Bertha Thoelecke, North Platte; executive committee, J. H. Bodwell, Omaha; W. H. Heitzman, Beatrice.

Indian Territory Teachers' Association: President, Benj. S. Coopoor, Vinita; railroad secretary, J. W. Cooper, Gowen; recording secretary, Miss Anna Peter, Muskogee; treasurer, A. J. Lynn, South McAlester.

North Dakota Teachers' Association: President, Miss Ella M. Stout, Fargo; first vice-president, C. R. Travis, Mayville; second vice-president, V. P. Squires, Grand Forks; secretary, George Martin, St. Thomas; treasurer, P. S. Berg, Larimore; chairman executive committee, W. E. Hicks, Ellendale.

North Texas Colored Teachers' Association: President, W. E. Grubbs, Detroit; first vice-president, Miss J. L. Caldwell, Dallas; second vice-president, J. H. Steward, Oak Cliff; third vice-president, W. E. Bailey, Paris; secretary, W. M. Coleman, Fort Worth; A. L. Runyan, assistant secretary; treasurer, J. M. McGriff; transportation agent, N. W. Harlee, Dallas.

Oklahoma Territorial Teachers' Association: President, N. E. Burther, Norman; first vice-president, Miss Henrietta Barnes, Alva; second vice-president, J. M. Dale, Mangum; third vice-president, Miss Alma Carson, Guthrie; secretary, J. H. Roberts, Kingfisher; treasurer, E. Kiggins, Pawnee; executive committee, J. P. Hickam, Perkins; N. D. Pike, Weatherford; W. N. Rice, Norman; legislative committee, David B. Boyd, Norman; T. D. Murdaugh, Edmond; A. C. Scott, Stillwater; J. R. Campbell, Guthrie; G. D. Moss, Kingfisher; committee on current educational thought, Prof. U. M. Holtz, Edmond; I. M. Holcomb, Oklahoma City; David R. Boyd, Norman; W. N. Rice, Norman; E. S. McCabe, Hennessey.

Southern Educational Association: President, Hon. G. R. Glenn, Atlanta; vice-president, R. B. Fulton, Mississippi; secretary, Hon. P. P. Claxton, Greensboro, N. C.; treasurer, Hon. F. L. Stuart, Knoxville, Tenn.

Ohio State Association School Examiners: President, Horace A. Stokes, Delaware; vice-president, L. L. Pegg, Columbus; secretary, C. L. Martzloff, Perry county; executive committee, Edwin M. Cragg, Sabina; M. L. Smith, Lancaster.

Wisconsin Teachers' Association: President, W. H. Cheever, Milwaukee; first vice-president, J. F. Sims, River Falls; second vice-president, R. L. Cooley, Oconto; third vice-president, Miss Frances Kippenberger, Milwaukee; secretary, C. H. Maxson, Tomah; treasurer, J. F. Lamont, Wausau; member of executive committee, William Griffith, Wilmot.

Books Received.

The Stories of My Four Friends. By Jane Andrews. Edited by Margaret Andrews Allen. 100 pages, with illustrations. Price, 45 cents. Published by Ginn & Co., New York, Boston, Chicago.

Choice Literature. Book Two, for Primary Grades. Compiled and arranged by Sherman Williams, formerly Superintendent of Schools, Glen Falls, N. Y. 160 pages. Published by Butler, Sheldon & Co., New York, Philadelphia, Chicago, Boston.

Dickens as an Educator. By James L. Hughes, Inspector of Schools, Toronto. International Education Series. Edited by Wm. T. Harris, U. S. Commissioner of Education. 319 pages. Price, \$1.50. Published by D. Appleton & Co., New York, Chicago.

Physical Experiments. A Laboratory Manual. By John F. Woodhull, Ph.D., Professor of Physical Science in Teachers' College, Columbia University, New York, and M. B. Van Arsdale, Instructor in Physical Science in Horace Mann School and Assistant in Teachers' College. 108 pages. Price, 45 cents. Published by D. Appleton & Co., New York, Chicago.

A German Reader. With Notes and Vocabulary. By Howard Parker Jones, Ph.D., Associate Professor of German and French in Hobart College. Twentieth Century Text-Books. 312 pages. Price, \$1. Published by D. Appleton & Co., New York, Chicago.

Nature Study Readers. By John W. Troeger. IV. *Harold's Explorations.* By John W. Troeger, A.M., B.S., and Edna Beatrice Troeger. Appleton's Home Reading Books. 280 pages. Published by D. Appleton & Co., New York, Chicago.

Plane and Solid Analytic Geometry. An Elementary Text-Book. By Charles H. Ashton, A.M., Instructor in Mathematics in Harvard University. 266 pages. Price, \$1.25 net. Published by Charles Scribner's Sons, New York.

Touchart, or Practical Typewriting. By the All-Finger Method, which leads to operation by Touch. Arranged for self-instruction and school use. Fourth edi-

tion. By Bates Torrey, Author of "Instruction in Practical Shorthand." 157 pages. Published by F. S. Webster Co., 332 Congress street, Boston.

Deutsches Lese- und Sprachbuch. Erste Stufe. 124 pages. Introductory price, 36 cents. Zweite Stufe. 159 pages. Introductory price, 42 cents. Published by Silver, Burdett & Co., New York, Boston, Chicago.

The New Education Illustrated. Numbers I, II, and III. By Edith C. Westcott. With Photographs from Life by Frances Benjamin Johnston. Published by B. F. Johnson Publishing Co., Richmond, Va. Price, 35 cents per copy.

The Thought Reader. Book I. By Maud Summers, Principal, Goethe School, Chicago. 114 pages, with many illustrations. Price 35 cents. Published by Ginn & Co., New York, Boston.

The Expansion of Russia. Problems of the East and Problems of the Far East. By Alfred Rambaud. 12mo, handsomely bound in cloth, \$1. Published by The International Monthly, Burlington, Vt.

New Practical Speller. By James H. Penniman, Master in the DeLancey School, and Author of "Common Words Difficult to Spell," etc. 154 pages. Published by D. C. Heath & Co., New York, Boston.

The Beacon Song Collection. Number Two. For Use in High Schools, Academies, Colleges and Choral Classes. Compiled and arranged by Herbert Griggs, Supervisor of Music in the Public Schools of Denver, Col. 252 pages. Published by Silver, Burdett & Co., New York, Boston, Chicago.

An Elementary Experimental Chemistry. By John Bernard Ekeley, A.M., Science Master at St. Paul's School, Garden City, L. I. 252 pages. Introductory price, 90 cents. Published by Silver, Burdett & Co., New York, Chicago.

Systematic Methodology. Designed to Rationalize and Harmonize Teaching Processes. By Andrew Thomas Smith, Ph.D., Principal State Normal School, Mansfield, Pa. 366 pages. Cloth, price, \$1.50. Published by Silver, Burdett & Co., New York, Chicago.

Folklore Stories and Proverbs. Gathered and Paraphrased for Little Children. By Sara E. Eltse. Illustrated by Edith Brown. 81 pages. Retail price, 60 cents. Published by Ginn & Co., New York, Boston, Chicago.

Springtime Flowers. Easy Lessons in Botany. By Mae Ruth Norcross. With Illustrations. 91 pages. Introductory price, 36 cents. Published by Silver, Burdett & Co., New York, Boston, Chicago.

Higher Algebra. By John F. Downey, M.A., C.E., Professor of Mathematics in the University of Minnesota. Half leather, 8vo, 416 pages. Price, \$1.50. Published by the American Book Co., New York, Cincinnati, Chicago.

Elementary Anatomy, Physiology and Hygiene—for Higher Grammar Grades. By Winfield S. Hall, Ph.D., M.D. (Leipzig), Professor of Physiology, Northwestern Medical School, Chicago. Cloth, 12mo, 273 pages. Illustrated. Price, 75 cents. Published by the American Book Co., New York, Cincinnati, Chicago.

A Reader in Physical Geography for Beginners. By Richard Elwood Dodge, Professor of Geography, Teachers' College, Columbia University, and Editor of the "Journal of School Geography." 237 pages. Published by Longmans, Green & Co., New York.

Barnes' Natural Slant Penmanship. Books A and B. Price, per dozen, 60 cents. Books Nos. 1 to 6 inclusive, price, per dozen, 75 cents. Published by the American Book Co., New York, Cincinnati, Chicago.

The New Complete Arithmetic. By David M. Senseig, M.S., and Robert F. Anderson, A.M., Instructors in Mathematics, State Normal School, West Chester, Pa. Octavo, 437 pages. Introductory price, 90 cents. Published by Silver, Burdett & Co., New York, Boston, Chicago.

Outlines in Nature Study and History. A Text-book for Pupils in Elementary Schools. By Annie Gilbert Engell, Supervising Principal of the George B. McClellan Combined Primary School, Philadelphia. 165 pages. Introductory price, 48 cents. Published by Silver, Burdett & Co., New York, Boston, Chicago.

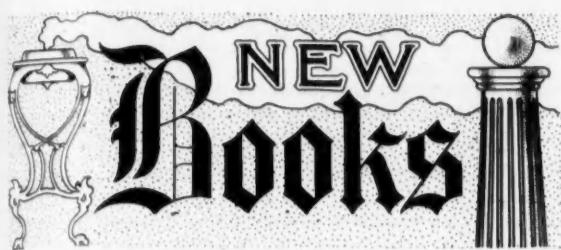
Timely Games and Songs for the Kindergarten. Clare Sawyer Reed. 45 pages. Price, 60 cents. Published by J. L. Hammett Co., New York, Boston.

The Story of American History. For Elementary Schools. By Albert F. Blaisdell, Author of "First Steps with American and British Authors," etc. 440 pages. Price, 75 cents. Published by Ginn & Co., Boston.

America's Story for America's Children. By Mara L. Pratt. In five volumes. II. Exploration and Discovery. A. D. 1000 to 1609. 152 pages. Price, 40 cents. Published by D. C. Heath & Co., New York, Boston, Chicago.

Famous Geometrical Theorems and Problems. With their history. By William W. Rupert, C.E. In four parts. Part II. 31 pages. Price, 10 cents. Published by D. C. Heath & Co., Boston, New York, Chicago.

Famous Geometrical Theorems and Problems. With their History. By William W. Rupert, C.E. Heath's Mathematical Monographs. Issued under the general editorship of Webster Wells, S.B., Professor of Mathematics in the Massachusetts Institute of Technology. 27 pages. Part I. Price, 10 cents. Published by D. C. Heath & Co., Boston, New York, Chicago.



ANATOMY, PHYSIOLOGY AND HYGIENE FOR HIGH SCHOOLS. By Henry F. Hewes, A.B., M.D., (Harvard); Teacher of Physiology and Clinical Chemistry; Harvard University Medical School; Physician to Outdoor Patients at the Mass. General Hospital, Boston. Cloth, 12mo, 320 pages, illustrated. Price, \$1.00. Published by The American Book Company, New York, Cincinnati, Chicago.

The first of the new Century series of physiologies which is officially indorsed by the department of scientific instruction of W. C. T. U. of the United States. It is not merely a description of the different parts of the body. It is a treatise on the processes of life, and the means of maintaining these processes. Encouragement is given to observation and original investigation. We are given the benefit of the latest researches into the nature, causes and prevention of diseases. Directions are given as to what is best to do in emergencies. The effects of narcotics and stimulants are stated. The treatment of all parts of the subject is scientific and practical. It is one of the best books on the subject that we have seen.

THE ESSENTIALS OF THE ENGLISH SENTENCE. By Elias J. MacEwan, M.A., 310 pages. Price, 75 cts. Published by D. C. Heath & Company, New York, Boston, Chicago.

This grammar does not claim to be something entirely original. It follows the lead of Whitney's Essentials of English Grammar. It claims to be a clear and systematic presentation of the subject, and this it is. Nothing is urged beyond its proportion. Questions for unprofitable discussions are not brought in. It is practical. Its analyses are good. Sensible observations are thrown in here and there. It sets the example of dispensing with some punctuation marks, thereby lessening the work of the typesetter.

COLERIDGE'S RIME OF THE ANCIENT MARINER. Edited, with introduction and notes, by Carleton E. Noyes, A.M., of Harvard College. 144 pages, cloth bound, with illustrations. Price, 35 cts. Published by the Globe School Book Company, New York, Chicago.

In the preparation of this edition of this weird poem there are two purposes to explain the poem, and to point the way to the further study of literature. It is necessary to know something of the life of the poet, his habits of thought and study; how the poem was first suggested, and how it was written. From 1797 to 1829 the author was writing and revising this poem of less than 700 lines. In the appendix is given the poem as it appeared in 1798. In the exhaustive notes are mentioned the changes made from time to time until the final revision. A poem written with so much care ought to be studied with care. It is well illustrated and is an attractive book.

A TOPICAL DISCUSSION OF GEOGRAPHY. Prepared for use in The Elementary Schools, by W. C. Doub (Stanford University), County Superintendent of Schools for Kern County, Calif. 50 pages. Price, 25 cts. Published by The Whitaker & Ray Company, San Francisco.

This little work is on the same plan as the above more extended work on history. Topics are named and briefly explained and pupils are referred to other works for the material for the recitation. The plan contemplates thorough work.

ELEMENTS OF RHETORIC AND ENGLISH COMPOSITION. Second High School Course. By G. R. Carpenter, Professor of Rhetoric and English Composition in Columbia University. 138 pages. Price 50 cents. Published by the MacMillan Co., New York, Chicago. (For sale at Des Forges & Co., Milwaukee, Wis.)

Increased attention is being given to the study of English in the schools. Many grammars have been published. There has lately been a tendency toward simplifying the study. There is a great deal of poor English in the schools, even in the colleges and universities. There is a great deal of "study" that does not yield practical results.

There is a definite purpose in this book. It is to be used after the ordinary course in grammar, and some study of rhetoric. It aims to make a practical use of what has been acquired. It looks to the grouping of sentences and paragraphs into the complete essay. Beginning with minor forms of composition, it states the principles that should govern in description, narration, exposition and argument, and treats briefly of composition in verse. Some choice selections are given as models in these forms of writing. It is a brief but helpful book on this important subject.

PLATO'S CHARMIDES, LACHES AND LYSIS. Edited by Barker Newhall, Ph.D., Professor of Greek in Kenyon College. Cloth, 12mo, 168 pages. Price \$1.25. Published by the American Book Co., New York, Cincinnati, Chicago.

The introduction gives a brief sketch of the life and writings of Plato. These three dialogues are prepared for instruction in college classes. The first and second are expected to be studied thoroughly, and are prepared accordingly. The third is intended for sight reading. On account of their proper length and the subjects of which they treat, these dialogues are considered the most suitable for class work. They are dramatic in style. They have been edited with care.

INTRODUCTION TO ZOOLOGY. By Charles Benedict Davenport, Ph.D., University of Chicago and Brooklyn Institute of Arts and Sciences, and Gertrude Crotty Davenport, B.S., formerly Instructor in Zoology, University of Kansas. Cloth, 412 pages. Price \$1.10. Published by the MacMillan Co., New York, Chicago.

The authors believe that very few people are apt to become specialists in zoology, but that all should know something about animals, and the ways in which these animals affect the human race. Business and professional men, as well as people of leisure, ought to be interested in the forms of animal life of their localities. This book has been prepared for all people. It does not go far in anatomy. That subject is left to the specialist. Many who make a beginning with this book may become specialists.

We begin with the grasshopper and its allies. Scientific as well as common names are used. Forms and habits are described. Some twenty types, more or less common, and their allies, are described and figured. There are more than 300 excellent illustrations. There are full instructions for laboratory work for those who desire to take it, a synopsis of the animal kingdom, keys to classes, and an extensive bibliography. Altogether it is an admirable book, admirably made, opening the way into a world of wonders.

SIR JOSHUA REYNOLDS. A collection of fifteen pictures and a portrait of the painter, with introduction and interpretations by Estelle M. Hurll. The Riverside Art Series. 94 pages. Price 30 cents. Published by Houghton, Mifflin & Co., Boston, New York.

It is said that Reynolds painted nearly 3,000 portraits—noted men and beautiful women of

his time. These portraits would make a gallery of historical characters of George III. Fifteen of these portraits, some historical and some allegorical, are here reproduced and interpreted, making a very attractive and entertaining little volume.

THE SPANISH VERB. With an introduction on Spanish Pronunciation. By Lieut. Peter E. Traub, First U. S. Cavalry; Assistant Professor of French at the U. S. Military Academy. Cloth, 8vo, 209 pages. Price \$1. Published by the American Book Co., New York, Cincinnati, Chicago.

The relations of the United States with its Spanish-speaking possessions makes a knowledge of the language almost a necessity. A number of brief books have appeared, giving introductory lessons. These may be sufficient for many purposes. For other purposes a mastery of the language may be desired. The verb is the most important part of the language. And here is given the complete development of the verb. It is to be mastered by thorough study. It is on the plan adopted at West Point, where cadets are taught the essentials of the language in a three-months' course. The principles of the pronunciation are explained. The treatise seems essential to one who is seeking to acquire a thorough knowledge of the language.

THE WOODWARD PRIMARY SPELLER. By E. B. Bentley, M.S., Superintendent of Schools, Clinton, Ill. The Woodward Series. 96 pages, 12mo. Price 15 cents. Published by the Woodward & Tiernan Printing Co., St. Louis, Mo.

We have not yet outgrown the need of the spelling book. In this the words are classified according to vowel sounds. Diacritical marks are placed only over the first word in a column. This gives the pronunciation of all the words in the column, while the pupil sees them as they occur in print. Written exercises are a part of the instruction. It is a well-arranged, excellent book.

THE NEW PRACTICAL ARITHMETIC. Presenting Definitions, Principles, Drills, Model Solutions and Test Problems. The Flanagan Educational Series. Complete for all ordinary purposes. By A. W. Rich, Ph.B., Associate Professor of Mathematics in the Iowa State Normal School, and Author of "New Higher Arithmetic," etc. 222 pages. Price 50 cents.

THE NEW HIGHER ARITHMETIC. Presenting, in a logical system, Definitions, Principles, Drills, Model Solutions, Indicated Work and Test Problems. The Flanagan Educational Series. By A. W. Rich, Ph.B., Associate Professor of Mathematics in the Iowa State Normal School, Author of "Outlines, Drills," etc. Cloth, price 75 cents. 320 pages. The above books are published by A. Flanagan Co., Chicago.

These two books present some good points, namely:

1. Suggestions to the teacher, certainly valuable to every young instructor using the books.
2. Model solutions indicating the most concise and logical arrangement of the work.
3. The secondary inverse operations of extracting square and cube root are clearly and rationally treated.
4. Much attention is given to practice in the metric system of tables.
5. Percentage and its applications are well treated from the practical standpoint.

An arrangement which some teachers may not readily justify is the presentation of mensuration before fractions.

Both books will certainly prove valuable in schools where algebra is not taught.

(Continued on subsequent pages.)



F. W. Rust is the new high school man for Ginn's in Wisconsin and Minnesota in place of H. H. Titworth, who will take a position in the firm's office.

Scott, Foresman & Co. are forging eastward. Mr. Joseph A. Peck has opened headquarters for the firm at 156 Fifth avenue, New York City.

W. D. Nickerson, who formerly represented Rand, McNally & Co. in the east, has been with the Globe school Book Co. since last May. Mr. Nickerson's field is not limited.

R. S. Gleason, who represents the American Book Co. in the northwest, still makes his headquarters at Aberdeen, S. D.

E. B. Stevens, with the Macmillan Co., has transferred his headquarters from Chicago to Detroit.

Frank J. Sessions, formerly superintendent of schools at Waterloo, Ia., has, with the beginning of the year, entered the employ of Rand, McNally & Co. He will do agency work in Iowa.

Will W. Tapley, of the Milton-Bradley Co., is a full-fledged alderman at Springfield, Mass.

Mr. J. J. Lyons still represents Butler, Sheldon & Co. in the New England field. His associates are F. C. Tenney and W. G. Folsom.

F. F. Hummel, of the Macmillan Co., marked the beginning of the Twentieth Century by taking possession of a new home at Broad Ripple, a suburb of Indianapolis. Mr. Hummel looks after Indiana, Illinois and other points for his company.

John C. Ridge, the veteran bookman, was stricken with paralysis on Nov. 20. He has since then, however, rallied considerably and is expected to be about again. He traveled in Ohio for the American Book Co. for many years.

Geo. L. Talbot is a member of the firm of Eaton & Co. Mr. Talbot does not limit himself in territory. He is just as liable to go to the Hawaiian Islands as he is to visit a Chicago suburb.

Edward Jones succeeds Frank L. Wayman in the Indiana territory for Silver, Burdett & Co.

The firm of Maynard, Merrill & Co., of New York, consists of Charles E. Merrill, Everett Yeaw, Edwin C. Merrill, Walter E. Maynard, Effingham Maynard, Jr., and Charles E. Merrill, Jr. All are actively engaged in the business of the firm.

E. A. DeWitt has been with Ginn & Co. for nearly a half century. He is general agent in Texas. Percy E. Ginn is manager of the Dallas office.

John B. Thompson represents Scott, Foresman & Co. in Pennsylvania and eastern Ohio. He makes his home at Mercer, Pa.

S. McG. Pierce, formerly with the Perry-Davis Publishing Co., now represents Benj. H. Sanborn & Co. His territory is like the queen's domain, "The sun never sets upon it."

J. W. West, who represents Maynard, Merrill & Co. in Minnesota, makes his home at Mankato. He makes occasional jumps into Wisconsin and the Dakotas. When West was asked recently whether he had a good story up his sleeve, he replied: "Stories? Gosh, yes. But, first, I want to see the brands you carry in stock. I will then weed out all duplicates."

Henry H. Hilton, of the firm of Ginn & Co., has come west again after three years of activity in the Boston office. Mr. Hilton's labors will cover the supervision of the high school and college business with special attention to the firm's editorial interests in the west.

"You know, I cannot tell a story," said A. L. McLaughlin, of Butler, Sheldon & Co., when we pressed him to tell a bookman's yarn, "when I think of a good story I find that the 'other fellow' told it 'last year.'"

We recently asked A. D. Perkins, agent for New York state for D. C. Heath & Co., to write us a story. He promised to do so and "send it by telegraph."

A manager of an educational publishing house recently said: "I am constantly kept busy writing polite letters to people who want school book samples 'To Have and To Hold,' for examination with a view to class use."

George L. Holliday, who has been agent for the American Book Co. in western Pennsylvania for some years, and who serves also as postmaster of Pittsburgh, received the special commendation of the postoffice department for efficiency and able management. One of his friends says: "Holliday always deserves all that anybody can say good of him."

W. B. Walters, who represents Ginn & Co., has Minnesota and the two Dakotas for his field.

Geo. E. Welles will hereafter look after Silver, Burdett & Co.'s Minnesota business exclusively. This will enable B. D. Berry to devote all his time to Wisconsin.

B. F. Hull has retired from book agency work in the northwestern field.

T. H. Kimpton, who was formerly a familiar figure in the east, has confined his activity to the south in the interest of D. C. Heath & Co. He looks after private schools and colleges.

W. A. McCord, of Rand, McNally & Co., is the one agent in the United States who tells good stories in what he calls the Scandanavian dialect."

Allyn & Bacon have opened an office in San Francisco. One of the Junior Bacons is in charge.

The D. C. Heath & Co. Pacific coast interests are still in charge of Caspar W. Hodgson. He is ably assisted by H. H. Chilcote.

John J. Faulkner, agent for the American Book Co., with headquarters at East St. Louis, says—and most properly so—that agents cannot be without the SCHOOL BOARD JOURNAL.

Geo. I. Kelley, who represents Maynard, Merrill & Co. in Nebraska, is comparatively a new man in the field. So is Irving S. Cutter, who represents Ginn & Co.

C. H. Congdon is still with Scott, Foresman & Co. of Chicago. He covers the entire field, excepting Alaska and the Philippines. Mr. Congdon possesses exceptional strength in looking after the music department of the firm. He began book agency work in representing the Silver, Burdett & Co. music publications.

V. L. Wilson, who represents the American Book Co. in Iowa, made an extended trip to Europe. He has returned and the boys say that he is no more foreign in manner than he ever was.

William Linn, of the Columbia Book Co., Philadelphia, has retired from the book business. It is said that he has gone into the express business in Washington, D. C.

Dr. T. J. McConnon has resigned the principship of the Wilkesbarre high school and engaged with D. C. Heath & Co., to work in the Pennsylvania field.

B. D. Berry, of Silver, Burdett & Co., has, beginning with this year, confined his labors to Wisconsin. He formerly included Minnesota in his territory.

One of the most active and best known bookmen, who has spent a life time in field work, died January 19th, at the age of sixty-four years. Major Newby was at the time of his death a representative of Butler, Sheldon & Co., looking after their copy-book interests throughout the western country. He acquired a military record in the War of the Rebellion, serving in the Fourth Iowa cavalry as lieutenant, and was promoted to major. Immediately after the war he became superintendent of penmanship at Detroit. From there he became an agent for the Payson, Dunton & Scribner copy books, confining his work particularly to parochial and private schools. After continuing with Potter, Ainsworth &

Co. for some years he entered the employ of Maynard, Merrill & Co. A few years ago he accepted a position with Butler, Sheldon & Co.

The major died of pneumonia, at the home of his only daughter, Mrs. C. L. Ricketts, whose husband is a representative of the American Book Co., after a brief illness.

He was noted for his splendid physique, affability and genial disposition. He was a modest and unpretentious man, whose enthusiasm was centered upon his work, the doings of the educational world and his friends. It is needless to say that he enjoyed the admiration and respect of thousands of school people, whose warmest sympathy and regret goes out to those whom he has left behind him. The amount of good which he has done cannot be measured, but it is safe to say that he always gave more than he received.

The meeting of the Upper Peninsular Teachers' Association was attended by A. H. Porter, Werner School Book Co.; F. W. Arbury, Silver, Burdett & Co.; E. R. Smith, D. C. Heath & Co.; S. B. and Sharp Todd, American Book Co.; F. M. Kendall, Ginn & Co.; F. S. Hyer, Houghton, Mifflin & Co.; Major A. J. Cheney, G. & C. Merriam Co.; Miss Thurston, Thurston Teachers' Agency; W. T. Dix, Thomas Charles Co.; C. A. Rohde, Rohde Kindergarten Supply Co.; Richard Hardy, Prang Educational Co.

Mrs. J. H. Stiff, the handsome wife of the New York manager of the Central School Supply Co., who came here from Atlanta with her husband, like most newly adopted New Yorkers is struck with the frigidity of the town and longs for the backwoods or any place away. Ere another year we predict that Mrs. Stiff will be a full-fledged Gothamite.

Wm. C. Warfield, who was at one time superintendent at Covington, Ky., has become a bookman. He represents D. C. Heath & Co. in Ohio. Mr. Warfield is a clear cut, energetic man—a real schoolmaster who will be a real bookman—we mean a successful one.

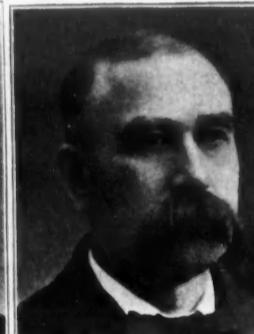
W. J. Sheridan, formerly with the Werner School Book Co., is now with the University Publishing Co. He will assist Mr. A. T. Hoffman in the Pennsylvania field, with headquarters in Philadelphia.

The firm of Thompson, Brown & Co. of Boston is made up of John A. Thompson, David H. Brown and Frank Smith. It represents the oldest school book publishing house in the country. Both Mr. Thompson and Mr. Brown have been in the publishing business for a life time. They succeeded an old firm which had published school books for many years. Mr. Smith the junior member of the firm does field work in the Eastern territory.

The late W. A. Seiler, of Crane & Co., Topeka, Kans., is succeeded by Wm. Elsey Connelley, a gentleman of ability as a writer and historian. Mr. Connelley is a Kentuckian whose ancestors landed in South Carolina in 1685.



The Late W. A. SEILER,
of Crane & Co.
Topeka, Kas.



W. E. CONNELLEY,
of Crane & Co.
Topeka, Kas.

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BOOK REVIEWS.

NATURE STUDY AND THE CHILD. By Chas. B. Scott, A.M., recently Instructor in Nature Study at the State Normal School, Oswego, N. Y. Cloth, 618 pages. Price, retail, \$1.50. Published by D. C. Heath & Co., New York, Boston, Chicago.

Our attention is first called to the dandelion. All its parts are closely examined and named. From this simple beginning we are taken along to the examination of many forms of life, vegetable and animal. It is a systematic study, but adapted to the capacities of children who are led to observe, to think, to experiment, to reason, and originate. They are taught to express in words and to represent in drawings what they have learned. The analytical table of contents is very complete—itself a model of classification. The observations on the habits and uses of the forms of life inculcate a spirit of reverence. Very interesting, too, are the selections from the poets.

There is given a graded course of study for eight years, which, with slight revision, was adopted by the Committee of Ten. The book is well illustrated.

MOTHER STORIES. By Maud Lindsay. Illustrated by Sarah Noble-Ives. Published by Milton-Bradley Co., Springfield, Mass. Price \$1.

The stories are wholesome and pure. They are full of life and action and will appeal to the child's mind in an exceptional manner. The underlying purpose of the stories is plain. They will stimulate right impulses and desires. The language is simple, the diction excellent, the action interesting. Readable print, wearable paper and durable binding characterize the mechanical make-up. The illustrations are well drawn and form an interesting feature of the book.

TOUCHART; OR PRACTICAL TYPEWRITING. By the All-Finger Method, which leads to operation by Touch. Arranged for self-instruction and school use. Fourth Edition. By Bates Torrey, Author of "Instruction in Practical Shorthand." 157 pages. Published by F. S. Webster Co., 332 Congress street, Boston.

The wonderful progress which has been made in the mechanical construction of the typewriter does by no means surpass the success achieved in the operating of the same. This volume is devoted to elements which lead towards attaining the highest results.

Much information of practical value is given and which is not only indispensable in learning to operate, but most necessary in securing deftness in operation and perfection in producing typewritten work.

A GERMAN READER. With notes and vocabulary. By Howard Parker Jones, Ph.D., Associate Professor of German and French in Hobart College. Twentieth Century Text Books. 312 pages. Price \$1. Published by D. Appleton & Co., New York, Chicago.

The compiler dug out of a rich German literary soil the brightest gems—appropriate for school and college use. Ample foot-notes are supplied.

WILLIAMS' CHOICE LITERATURE. Book Two for Primary Grades. Compiled and arranged by Sherman Williams, formerly Superintendent of Schools, Glens Falls, N. Y. 160 pages. Published by Butler, Sheldon & Co., New York, Philadelphia, Chicago, Boston.

This supplementary reader has a choice selection of matter well suited to meet class room needs. Prof. Williams believes that a love for poetry should be cultivated in the child at an early age. Consequently a number of pages are devoted to rhyme. The compiler has arranged the matter with due regard to gradation and the needs of primary pupils.

COMENIUS AND THE BEGINNING OF EDUCATIONAL REFORM. By Will S. Monroe, A. B., N. Y. Published by Charles Scribner's Sons' N. Y.

This book is one of the series of "The Great Educators," edited by Nicholas Murray Butler. It endeavors to trace the reform movement in education from Vives, Bacon and Ratke to Comenius. The condition of education in Europe during the Sixteenth Century is briefly told and how Comenius gradually improved upon the system then in vogue. He is credited with having given an organized form to studies; correlated them and allowed more time to history, geography and the natural sciences. He was not infavor of private instructions to a few at a time, being of opinion that it is not only possible for one teacher to instruct several hundred children at once, but that it is essential for the best interests of both the teacher and the children.

Credit is due Comenius for some original ideas on methods of communicating knowledge, but at the same time one must not forget that he borrowed much from existing material. As is the case usually with authors who present the claims of reformers, there is in this book much exaggeration of the good effected by Comenius and great depreciation of the educational method in vogue during his life time.

NATURE STUDY READERS. By John W. Troeger. IV. Harold's Explorations. By John W. Troeger, A.M., B.S., and Edna Beatrice Troeger. Appleton's Home Reading Books. 280 pages. Published by D. Appleton & Co., New York, Chicago.

This book is prefaced by Dr. Wm. T. Harris, who is the editor of the series. The contents cover Bay and River, the Earth Book, A Journey to the Warm Belt, In the North Land and Facts About Substances. The book presupposes that the pupil has given some consideration to natural phenomena and takes him away from home to other regions and different climes.

OUTLINE IN NATURE STUDY AND HISTORY. A Text Book for Pupils in Elementary Schools. By Annie Gilbert Engell, Supervising Principal of the George B. McClellan Combined Primary School, Philadelphia. 165 pages. Introductory price, 48 cents. Published by Silver, Burdett & Co., New York, Boston, Chicago.

It is assumed that the conversation is the most profitable way of instructing children. It affords practice in language. There is freedom in the exchange of thought. Interest may be awakened and direction may be given to the children's activities.

The subjects here treated are familiar plants, the human body, domestic animals, the commonly observed things in natural science, the outlines of American history, and some of

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Book II. Nature Knowledge. With 7 colored plates and nearly 100 other illustrations. \$0.36

Book III. (In preparation.)

A READER IN PHYSICAL GEOGRAPHY FOR BEGINNERS.

By RICHARD E. DODGE, Professor of Geography in Teachers College (Columbia University); Editor of the Journal of School Geography. 12mo, 247 pp. With numerous illustrations from photographs expressly taken for this book. 70 Cents.

This book is quite a departure from what has heretofore appeared upon this subject, in that it blends scientific accuracy with simplicity of statement, and thus brings the subject within the range of the ability of young pupils. It shows the influences of habitat on mankind and enables the pupil to understand the place he holds in the world. In this respect it anticipates the work which has recently been organized in Yale University and Dartmouth College, these institutions being among the first to take up the question of environmental influences.

Illustrated Prospectus with specimen pages sent on application.

New Books for Teachers.

THE TEACHING OF MATHEMATICS IN THE HIGHER SCHOOLS OF PRUSSIA.

By J. W. A. YOUNG, Ph.D., Assistant Professor of the Pedagogy of Mathematics in the University of Chicago. Crown 8vo., pp. xiv—141. Cloth, 80 Cents.

This book gives a concise account of the Prussian higher school system and a more detailed description of the work which these schools do in mathematics. While it will prove especially interesting and suggestive to the teachers of mathematics in the corresponding American schools (grammar grades, high schools and the freshman year in college), a large portion of its contents are of a sufficiently general character to appeal to all who are interested in secondary education.

AMERICAN TEACHERS' SERIES.

THE TEACHING OF LATIN AND GREEK IN THE SECONDARY SCHOOL.

By CHARLES E. BENNETT, Professor of Latin in Cornell University, and GEORGE P. BRISTOL, Professor of Greek in Cornell University. Crown 8vo, 350 pages, with a colored map, bibliographies, and index. \$1.50.

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The book is substantially made and very neat in appearance.

GOOD MANNERS AND SUCCESS. By Orison Swett Marden, Author of "Pushing to the Front," etc. With the assistance of Abner Bayley. 64 pages. Published by Thomas Y. Crowell & Co., New York.

The author of this little book believes that good manners are essential to the highest success of either a man or a woman. He supports his opinion in a most telling and convincing manner. He tells many capital stories to illustrate his points and does it supremely well. The book is stimulating and timely and especially adapted for the home circle, for there, as the author says, "the real foundation of politeness must be laid."

THE SKETCH BOOK. By Washington Irving. With notes and introduction. 371 pages. Price 25 cents. Published by the Macmillan Co., New York, Chicago. (For sale at Des Forges & Co., Milwaukee, Wis.)

This volume belongs to the Macmillan's Pocket Series of English Classics. It is a happy combination of attractiveness and excellence of contents with a price that makes it easily attainable.

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"No, sir," answered Mr. Selfmaker, with emphasis. "If queer words are what a young man aspires to, the golf and baseball reports in any good daily newspaper will supply all his wants."

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"Feller name o' Shakespeare fooled our folks purty well las' week," said Mr. Corntassel. "He gave a show called 'Julius Caesar' down to the opry-house, an' blamed ef the whole thing wasn't made up out o' pieces that's been spoke at the school exhibitions here for twenty years."



An Illiterate.

Miss Primer—What did you ever reject Prof. Bookham for?

Miss Grammar—He was so illiterate.

Miss Primer—Illiterate? Why, I thought he was a man of superior education.

Miss Grammar—Well, he wasn't. He didn't even know the rudiments, for when I told him "no" and thought sure he would read between the lines, he changed the subject.

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"Unsere Kollege." Ein Lehrer der Kleinen hat in seiner Klasse einen gewedten, munthnern Knaben namens Kurt, den er allerlei Dienste für die Schule verrichten lässt, wie Kreide holen, u.s.w. Einstmals sagte er dem Knaben: "Gehe hinüber nach Zimmer 5, zu meinen Kollegen und sage daß er so gut sein möchte und mir die Klassentafel senden."

Der Knabe geht hin und bringt sein Anliegen bei dem betreffenden Lehrer also an: "Herr Kollege, Sie sollen so gut sein und mir die Klassentafel geben."

Seit der Zeit wird Kurt vom gesamten Lehrkörper nur "unsere Kollege" genannt.



Johnnie—Papa, please buy me a drum?
Professor—No, my boy! You will always distract me in my work!

Johnnie—But, papa, I will only drum when you are asleep.

A Grievous Oversight.

"You call this a dialect poem?" asked the editor, in tones of incredulity.

"Yes, sir," replied the poet.

"Then, why is it that you have not spelled 'water' w-o-r-t-e-r?"

The luckless rhymster took the manuscript in his trembling hands and rushed from the office, for his fault was grievous, indeed.

"How many capitals has Rhode Island?" cautiously asked the boy with the snub nose. "Two," replied the boy with the dirty face. "Want to bet a nickel on it?" "Yep." "Well, you've lost. Here's a paper that says Newport ain't one of the capitals any more. They've changed the constitution of the state. You can read it yourself if you don't believe me." "Who's talkin' about

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Newport? We'rebettin' on the capitals in Rhode Island. They's two of 'em. They's R and I. If you don't believe me you can spell it yourself." The matter was left to the boy with the frazzled trousers, and he decided in favor of the two capitals. "I may not be as handsome as some fellers," said the boy with the dirty face, as he pocketed the money, "but there ain't any cobwebs in my attie."

Matter of Discretion.

Teacher—And why do you believe that little George Washington never told a story?

Johnnie—Cause, I suppose, I'd be walloped if I didn't.

The Difference.

Small Boy—George Washington was a man who never told a lie.

Teacher—Wrong. Go to the foot.

Small Girl—George Washington was the man who never told a lie.

Teacher—Right. Go to the head.

"Now, David, how did Washington's army cross the Delaware?"

"Please, sir, with hard-ships."

School Election.

"Madam, are you a woman suffragist?"

"No, sir; I haven't time to be."

"Haven't time? Well, if you had the privilege of voting whom would you support?"

"The same man I have supported for the last ten years—my husband."



The Four Georges.

Teacher (class in English History)—Now, Peter, what can you tell me about the "four Georges?" Who were they?

Peter—Please, ma'am; dey wuz Georgie Washington, Georgie Dewey, Georgie Dixon, an—I forgot de odder!

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BOOK REVIEWS.

LESSONS IN GRAMMAR. For Schools and Teachers' Institutes. By J. N. Patrick, A.M., Author of "Lessons in Language," "Elements of Pedagogies," etc. Cloth, 232 pages. Published by J. B. Lippincott Co., Philadelphia. Part I is designed for use in the seventh grade of graded schools, and in the seventh year of ungraded schools. Part II for the eighth grade, and for the eighth year of ungraded schools. This is a well-conceived attempt to simplify the subject. It does not touch on all the technicalities of "a grammarless language." What it does say it says concisely and clearly. The summary of fifteen pages is a valuable feature. The appendix contains some helpful suggestions. We like the looks of this grammar. It does not seek to cram the minds of young students with things he will have no use for until later years. It is practical and helpful.

EVANGELINE. By Henry Wadsworth Longfellow. Edited with notes and introduction by Lewis B. Sample, Ph.D., Teacher of English, Commercial High School, Brooklyn, N. Y. 137 pages. Price 25 cents. Published by the Macmillan Co., New York, Chicago. (For sale at Des Forges & Co., Milwaukee, Wis.)

The editing of this little volume does credit to the author. Longfellow's life and works are briefly treated. The notes, though not too copious, are sufficiently explanatory to prove particularly helpful to the student. The volume is not only artistic in make-up, but most reasonable in price, being leather bound.

RURAL SCHOOL GROUNDS. How to Set Out Trees and Shrubbery. Published by the Youth's Companion, Boston, Mass.

The subject of beautifying school grounds is set forth in a most practical and efficient manner and reflects credit to the progressive spirit of the publishers, who are promoting this work in a most unselfish manner. The title would indicate that country schools only are embraced. The hints on tree planting, etc., may apply to village and town schools as well—in fact, may apply to any educational institution that has sufficient vacant space to plant trees and shrubbery.

The pamphlet is written by Prof. H. L. Bailey, of Cornell University, and is illustrated in a practical, yet handsome, manner. It is distributed without cost.

"Caesar for Beginners," a first Latin book by Prof. W. T. St. Clair, of the Louisville Male High School, which appeared some months ago, has already established itself in many prominent schools. This book is a most practical one for beginners, especially in high and preparatory schools.

Instead of beginning with miscellaneous exercises which have no direct bearing on the second year work in Latin, this book begins at once in simplified Caesar and leads the beginner very carefully and gradually up to, and through the second book of Caesar which is complete in the volume. So that when the student has completed this book in the first year, he is thoroughly launched into Caesar and is able to take up his second year work intelligently and without the usual difficulty experienced there. The book has a Latin-English vocabulary of over 500 words, and contains all the grammar necessary without reference to any special grammars.

There are many other important new books announced in Messrs. Longmans, Green & Co.'s little folder of new books and announcements for the fall which will be of special interest to all teachers.

A SCHOOL CALENDAR.

"The Lights to Literature" Calendar which Rand, McNally & Co. have just issued is one of the most artistic and welcome souvenirs that has been sent out by any school book publishing house in many years.

The entire calendar was drawn by hand in a quaint old English style that is very attractive. The cover design is surmounted by a row of old lanterns with candles trimmed and burning, which serve to emphasize the title of the "Lights to Literature" Readers. On the twelve sheets of the calendar are twelve quotations from some of the greatest American and British authors. These quotations are taken directly from the readers and indicate the stimulating and literary character of the books.

If this calendar is hung in the school rooms of the country, as it is sure to be, it will prove a constant inspiration to both teachers and pupils. The whole is beautifully printed in red and black, and, we understand, it can be had by school teachers for the asking by addressing Rand, McNally & Co., in either Chicago or New York.

This will be a big year for adoptions in Iowa. Some forty counties having county uniformity will, between January 22 and August 1 make their adoptions of text books.

PEKIN, ILL. Several eight-volume sets of Ellis' History of the United States were secured.

Alan Evans, who was for a time with the Thomas Charles Co., Chicago, has gone back to Philadelphia to resume his former position as representative of the Milton-Bradley Co. Mr. Evans represents the company in Pennsylvania. He makes his headquarters at 1235 Arch street, Philadelphia.

The Couch & Seeley telephone was placed into the new East Boston high school at an expense of \$623.

Geo. S. Perry & Co. will equip the new East Boston high school with furniture at \$4,725.

PEKIN, ILL. Contract for chemicals and physical apparatus was given the Alfred L. Robbins-Martin Co. of Chicago.

COLUMBUS, O. A contract for 1,000 or more desks awarded the Piqua School Furniture Co. was cancelled owing to the illegality of the board procedure in failure to specify quantity definitely.

UNIONVILLE, IA. Schools were provided with Seth Thomas regulator clocks.

TO FISCHER & SCHWATT.

DENVER, CO. North Side High School: "I have three classes that are using your Secondary Algebra and I am delighted with it."—A. H. Felger.

BOOKS RECEIVED.

SECONDARY ALGEBRA. By George Egbert Fisher, M.A., Ph.D., and Isaac J. Schwatt, Ph. D., Assistant Professor of Mathematics in the University of Pennsylvania. 397 pages. Published by Fisher & Schwatt, Philadelphia.

JOURNALISTIC GERMAN. Edited by August Prehn, Ph.D., Columbia Grammar School, New York. Cloth, 208 pages. Price 50 cents. Published by the American Book Co., New York, Cincinnati, Chicago.

A TERM OF OVID. By Clarence W. Gleason, A.M. (Harvard), of the Roxbury Latin School. Cloth, flexible, 209 pages, illustrated. Price 75 cents. Published by the American Book Co., New York, Cincinnati, Chicago.

SIR ISAAC PITMAN'S PHONOGRAPHY; ITS ORIGIN, DEVELOPMENT, AND PRESENT POSITION. By Alfred Pitman, President of the Incorporated Phonographic Society (England) and Patron of the National Society of Shorthand Teachers (England). 15 pages.

TAYLOR'S FIRST READER.

A BOOK excelling in Child-Life interest, in Literary Form, in Appropriate and Artistic Illustrations and in Rational Methods.

Cloth, 128 Pages. Over 100 Illustrations and 18 Colored Plates. Price 25 Cents

TAYLOR'S FIRST READER is published by the WERNER SCHOOL BOOK COMPANY who will be pleased to correspond with educators concerning its examination and introduction. Address nearest office: 378 388 Wabash Avenue, CHICAGO; 78 Fifth Avenue, NEW YORK; 73 Tremont St., BOSTON.

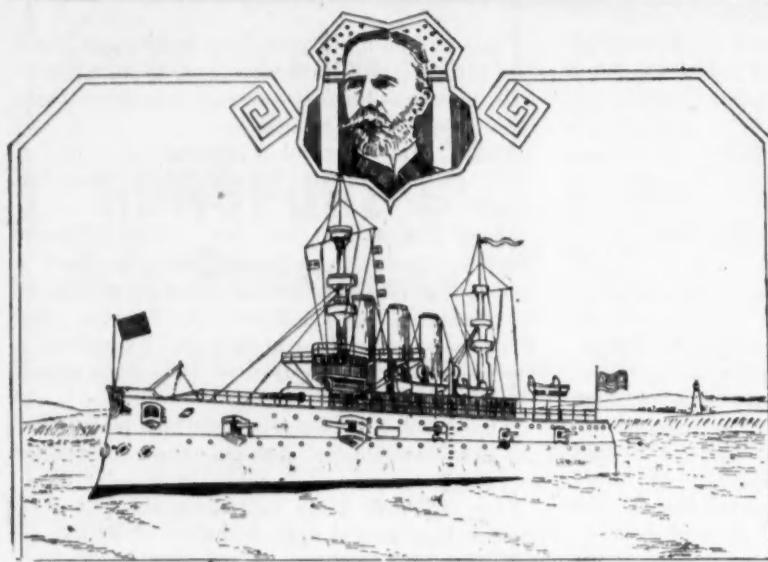
THE CHILD'S WORLD IN BEAUTIFUL ILLUSTRATIONS

EVERY picture in this book has a distinct purpose. They are artistic and, therefore, they embellish the book and cultivate a taste for the beautiful. They are educational and, therefore, they illustrate the text and aid in learning to read.

The famous masterpieces reproduced in this book were selected for their art and educational values. The original pictures were drawn by the best artists in the country, after special designs. Of these, eighteen are color plates of the highest degree of perfection.

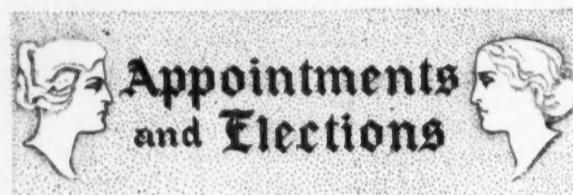
The color work in this book is a marvel of beauty, truth, and good taste. There are no crude "chromo" cuts of impossible landscapes, no caricatures of human figures and faces.

Every picture in the book helps the child learn to read, stimulates his imagination, awakens his love for the beautiful, and cultivates his taste.



PICTURE MAKING ON THE DENSMORE TYPEWRITER.

Admiral Sampson and his Flagship "New York." The original picture (11 by 8 in.) was made wholly on the Ball Bearing Densmore Typewriter by Mr. A. Roeder, Jr., Baltimore, Md.



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E. FABER.
LEAD PENCILS,
PENHOLDERS,
RUBBER ERASERS,
Etc., Etc.

FOR SCHOOL USE.

Commercial View.

Teacher—Willie, when I called at your house yesterday and saw the "Life of Washington" I gave you Christmas I was much grieved to notice that the leaves had not been cut.

Willie (meekly)—No'm. If I'd cut those leaves I wouldn't have half the chance to swap it off.

WHAT SHALL WE EAT

To Keep Healthy and Strong?

A healthy appetite and common sense are excellent guides to follow in matters of diet, and a mixed diet of grains, fruits and meats is undoubtedly the best, in spite of the claims made by vegetarians and food cranks generally.

As compared with grains and vegetables, meat furnishes the most nutriment in a highly concentrated form and is digested and assimilated more quickly than vegetables or grains.

Dr. Julius Remusson on this subject says: Nervous persons, people run down in health and of low vitality should eat plenty of meat. If the digestion is too feeble at first it may be easily strengthened by the regular use of Stuart's Dyspepsia Tablets after each meal. Two of these excellent tablets taken after dinner will digest several thousand grains of meat, eggs or other animal food in three of four hours, while the malt diastase also contained in Stuart's Tablets cause the perfect digestion of starchy foods, like potatoes, bread, etc., and no matter how weak the stomach may be, no trouble will be experienced if a regular practice is made of using Stuart's Dyspepsia Tablets because they supply the pepsin and diastase necessary to perfect digestion, and any form of indigestion and stomach trouble except cancer of the stomach will be overcome by their daily use.

That large class of people who come under the head of nervous dyspeptics should eat plenty of meat and insure its complete digestion by the systematic use of a safe, harmless digestive medicine like Stuart's Dyspepsia Tablets composed of the natural digestive principles, peptones and diastase, which actually perform the work of digestion and give the abused stomach a chance to rest and to furnish the body and brain with the necessary nutriment. Cheap cathartic medicines masquerading under the name of dyspepsia cures are useless for relief or cure of indigestion because they have absolutely no effect upon the actual digestion of food.

Dyspepsia in all its forms is simply a failure of the stomach to digest food and the sensible way to solve the riddle and cure the digestion is to make daily use at meal time of a safe preparation which is endorsed by the medical profession and known to certain active digestive principles, and all this can truly be said of Stuart's Dyspepsia Tablets.

All druggists throughout the United States, Canada and Great Britain sell them at the uniform price of fifty cents for full treatment.

\$100 REWARD, \$100

The readers of this paper will be pleased to learn that there is at least one dreaded disease that science has been able to cure in all its stages, and that is Catarrh. Hall's Catarrh Cure is the only positive cure known to the medical fraternity. Catarrh being a constitutional disease, requires a constitutional treatment. Hall's Catarrh Cure is taken internally acting directly thereon, thereby destroying the foundation of the disease, and giving the patient strength by building up the constitution and assisting nature in doing its work. The proprietors have so much faith in its curative powers, that they offer One Hundred Dollars for any case that it fails to cure. Send for list of testimonials.

Address F. J. CHENEY & CO., Toledo, O.
Sold by Druggists, 75c.
Hall's Family Pills are the best.

Riverhead, L. I. Parents have been requested to give their aid to the teachers in putting a stop to the use of tobacco by pupils.

Cincinnati, O. The action giving permission to the W. C. T. U. to give a series of temperance lectures in the schools has been rescinded. The League of German-American Societies protested against the granting of such a privilege.

Findley, O. The penny savings banks may be introduced in the schools.

Farmington, Conn. The board wants the electric street railway to carry the school children and teachers to and from the schools and their homes at half fares.

New School Buildings

Huntsville, Ala. A new school is being erected.

St. Helena, Cal. New school, Cunningham & Polletto, architects.

Sacramento, Cal. Plans and specifications for a new school at Seventh and G streets, have been decided upon.

Santa Barbara, Cal. The Cunningham Bros., of San Francisco, have designed plans for the new high school to be built.

Colorado Springs, Col. Two plats of ground have been purchased on which new schools are to be constructed.

Cromwell, Conn. Work on new school is to begin at once.

Chipley, Fla. Address the Mayor relative to new schools.

East Gainesville, Fla. A school is in course of construction.

Chicago, Ill. A new school at North Leavitt St. and Beele Plaine Ave. is to be completed by January 1, 1902.

Murphysboro, Ill. Bids to erect new high school are asked.

Colfax, Ill. Bids to the sum of \$10,000 are to be issued for school building purposes.

Mishawaka, Ind. The erection of a new school is under consideration.

Gilead, Ind. Work on new school is progressing rapidly.

Bluffton, Ind. The erection of a new high school is contemplated.

Shay Prairie, Ind. Ter. A new school.

West Des Moines, Ia. Several new school buildings will be built during the present year.

Eagle Grove, Ia. A new \$25,000 school.

Lyons, Ia. The building of a new school is being discussed.

Louisville, Ky. Two new schools are in course of construction. Estimated cost, \$20,000 and \$30,000 respectively.

Delphos, Kans. Plans and specifications for a new school are being examined. J. M. Hadley of Topeka, architect.

Lewiston, Me. Contracts for the erection of the new \$50,000 school awarded.

Wyandotte, Mich. The building of a new school in the Third ward is under consideration.

Marquette, Mich. It is proposed to erect a wing on the normal school building at an estimate cost of \$35,000.

Mt. Clemens, Mich. The question of a new high school is being discussed.

Bronson, Mich. A \$10,000 school according to plans of Architect W. A. Chapel of Grand Parish, Mich.

Hamilton, Minn. A new \$12,000 school just completed.

Aitken, Minn. A new school to be built in the near future.

St. James, Minn. The voters authorized the board to issue bonds in the sum of \$25,000 for a new school.

Blue Earth, Minn. This town has voted to build a \$20,000 school. C. H. Parsons of Des Moines, Ia., has presented plans.

Missoula, Mont. Work on new school is in progress.

Riverside, Cal. A new high is to be built.

St. Louis, Mo. Several new schools to be built in the

near future. Address Wm. P. Ittner, Commissioner of School Buildings.

Omaha, Neb. A new high school is in course of construction.

Los Verga, N. M. A new school is to be built at once.

Bridgeton, N. J. Plans for a new school have been completed.

Irvington, N. J. Write William Clark regarding new school.

Milo Centre, N. Y. The erection of a new school is contemplated.

Rochester, N. J. A new high school to be erected.

Syracuse, N. Y. Work on new high school has commenced.

Cleveland, O. Three school houses are to be built during the present year.

Gresham, Oreg. A new school has been decided upon.

Pittsburg, Pa. Architect C. M. Bartberger has plans contemplated for the new Nineteenth ward school building and estimates will soon be asked.

Philadelphia, Pa. A school in the Fourtieth ward is in course of construction.

Crafton, Pa. The people are to vote on the erection of a new \$60,000 school.

Houston, Tex. Work on new school to commence at once.



ELLA C. SULLIVAN,
Superintendent District 4,
Chicago, Ill.



W. W. SPEER,
Dist. Supt. Schools,
Chicago, Ill.



H. S. TIBBITTS,
Manual Training Director,
Chicago, Ill.



LINCOLN P. GOODHUE,
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MICROSCOPES
at Duty Free Prices.

According to act of Congress, all educational institutions are exempt from the payment of the heavy duties on microscopes, objectives, etc.

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35% to 40%
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We are Sole Agents for the celebrated microscopes made by R. & J. Beck of London and can offer big inducements in these goods.

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RIDER AGENTS WANTED

One in each town to ride and exhibit sample 1901 Bicycle. **BEST MAKES**

1901 Models, \$10 to \$18

'99 & '00 Models, high grade, \$7 to \$12.

500 Second-hand Wheels

all makes and models, good as new, \$3 to \$8. Great Factory Clearing Sale at half factory cost. We ship anywhere on approval and ten days trial without cent advance.

EARN A BICYCLE distributing Catalogues for us. We have a wonderful proposition to Agents for 1901. Write at once for our Bargain List and Special Offer. Address Dept. 287 H

MEAD CYCLE CO., Chicago

Chicago, Ill. James S. Peterson, a new member, is taking a lively interest in the doings of the school board. He says: "The status of each officer and employee should be definitely fixed by ordinance. They should be held strictly to the performance of the duties assigned them and in case of failure should be discharged. The present system of doing business by the board is crude and cumbersome. It is common comment that many things done to expedite business are technical illegal." He wants the pay rolls to be published and within easy reach of the public. The duties of the superintendent defined clearly and he be governed just the same as any other employee, as he does not believe in the discretion of the superintendent's idea.

Orange, N. J. The Truant law is being vigorously enforced. The police of the city act as truant officers, under the directions of the police captain. The plan works well.

Orange, N. J. A plan of medical inspection of the pupils and schools has been urged by the president of the board, Dr. E. C. Seibert and by Superintendent A. M. Swingle.

San Francisco, Cal. President Cecil W. Mark believes that thirty pupils in a class are as many as any teacher should have under her supervision.



IF IT IS

THE COLUMBIA

THAT'S ALL YOU CARE TO KNOW.

For you are assured and certain in your own mind that it is THE BEST.

Designed on tried and true principles, made of the best material; perfect in its component parts; supreme, unapproached and unapproachable in its entirety. Do you know a school officer or teacher of experience?

If so, ask them what school desk to buy, and they will unhesitatingly say COLUMBIA. Ask them why and they will say: BECAUSE it has never been found wanting. It is always as good as it is represented to be. The desks are as good as the samples. You can't wear out a COLUMBIA DESK. You can break it but you have to take an axe to do it. They will give you a multitude of reasons for purchasing the COLUMBIA. No one who has ever used the Columbia will ever consider the purchase of any other style.

It is first in style, first in comfort, first in durability, and FIRST IN THE HEARTS OF THE PEOPLE.

MADE AT

Piqua School Furniture Works,

Eastern Sales Office: 109 Fifth Avenue, New York.
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Factory: Piqua, Ohio.

School Board Journal

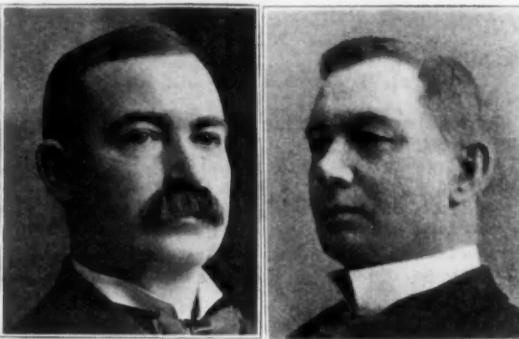
To What Extent is the School Board Responsible for the Health and Comfort of the Pupil?

DR. H. B. DALE, PRESIDENT BOARD OF EDUCATION, OSHKOSH.

The responsibility of a school board for the health and comfort of the pupils under its direct supervision is a live question and a broad one. It involves the relationship of the board to the public, as well as to the individual. For it is evident that in the case of contagious disease, for instance, the physical welfare of a whole community may depend upon the proper management of its school houses and their occupants. It being a fact well recognized among all enlightened nations that a proper conservation of the public health is among the most important of all matters of public policy, the tremendous responsibility resting upon the school board becomes sufficiently evident. The fact that this responsibility has been and is often ignored is no argument in favor of its non-existence. In the general sanitary awakening that is following close upon the elaboration of modern methods in the prevention of preventable disease, our school buildings are certain to have their share of attention, and the official bodies that manage them will be held to strict account.

It is well to recognize the fact that the best built and best equipped school building may, under certain circumstances, become a dangerous disease breeder. Here children of all sorts and sizes are thrown together. Those from clean and well-kept homes mingle with those who live where filth abounds, and where disease has every encouragement for propagation and dissemination. They sit upon the same benches, drink from the same cup, and too often wipe their respective faces and hands upon the same towel. One diseased child may effectually contaminate all these sources of ready infection. One or two victims of a contagious malady may scatter abundant disease germs in the dust that settles upon the floor of even the best regulated school room. Under the skillful ministrations of an energetic janitor, this dust is usually stirred from the bottom and generously deposited upon books, desks, and, in fact, any or all of the necessary adjuncts to school work.

Disease agencies are not, as a rule, perceptible to any of the five senses, which is doubtless the reason why their existence has so long been ignored and their power for evil overlooked or wholly forgotten. We are as unconscious of their presence as we are of the atmospheric pressure of fifteen pounds upon every square inch of our respective bodies. Nevertheless, they are with us, ever active and alert, and by their bitter fruits we know them. When they are present in the school room, our children are compelled to endure their sinister influence for hours at a time, and this often under atmospheric conditions that are most favorable to infection. For bad air is not only poisonous in itself, but by its depressing effect upon the human system places the latter in a state fit for that harboring of disease germs that presumably never occurs when the organism is absolutely healthy. Of course, this bad air has no place in a school room. Good ventilation will dissipate it, and at the same time carry away those germs whose presence is a constant threat. But I believe it to be a readily demonstrable fact that well-ventilated school rooms are decidedly the exception. Indeed, outside of possibly our larger cities, their existence is so rare as to be a curiosity. No elaborate tests are needed to establish this claim. The use of reasonably acute olfactory nerves is ordinarily enough to prove it to one's entire satisfaction.



PAUL W. MAHONEY,
Pres. School Board,
La Crosse, Wis.

RICHARD YOUNG,
Member School Board,
Brooklyn.

The possible sources of bad air in a school room are many. Overcrowding is a common one. Even the tyro in physiology knows that carbonic acid gas is exhaled by every human being during the act of respiration. This gas is more or less inimical, at least in a negative way, to animal life and growth, and along with it are constantly found certain organic impurities, prone to rapid decomposition, whose presence in the air is always dangerous. It is perfectly evident that the amount of this gas and its congeners present in the air of a given room varies directly as the number of pupils in that room and the length of time they are kept there. Now it becomes a very easy matter, even in a comparatively well-ventilated building, to so overcrowd a room and so overtax its foul air exits that these impurities are present in deleterious or even dangerous amount. The proportion of carbon dioxid that may safely be present is known, and by a very simple arithmetical calculation the number of pupils that should occupy a given room may be ascertained—but how often is this calculation employed? How many school boards insist upon its due consideration in making up the quota of occupants allowed in any one building or portion thereof? How many common councils appreciate its immense importance, and demand its proper recognition, in maintaining school houses for today and building them for tomorrow? Here in this large city of Milwaukee, where school sanitation is supposed to have secured a promising start, where medical inspection of pupils is carried even to the point of testing their vision, there even now exists an unfortunate condition of overcrowding, if newspaper plaints are to be believed. In the city of Oshkosh three pupils have long been placed where but two could be kept with perfect safety. Doubtless these are not wholly exceptional instances, and it is probably safe to assume that conditions as bad, or even worse, exist in many of the cities of this country.

Sewer gas undoubtedly finds its way into many of our school buildings. While it is true that this uncertain compound has long been something of a scapegoat and has been charged with many ills for which it was not responsible, it is, nevertheless, a fact that its presence in a building is unwholesome and really threatening. Doubtless defective plumbing is the most common cause for its insidious lurking around our school houses. It is probable that if the people knew of the slip-shod and wholly unreliable work that is often hidden inside of walls and under floors, there would rise a wave of hearty and healthy protest that would bode ill to the plumber or school official who dared to breast it. But, as a rule, these things are not known. Drains may empty into cess-pools, pipes leak and permeate the soil with decomposing, unwholesome compounds, filters do anything but filter, and ventilators everything but ventilate, and still the public goes on in blissful ignorance. Parents continue to compel their children to spend several hours of each day in an

atmosphere tainted with dilute oozings from the city's great waste-pipes. And those who ought to know these things either do not, or, knowing, keep silent. The plumber's easy conscience pricketh him not. With him out of sight is out of mind, and with the school board out of sight is very likely out of knowledge. And what is to be done about this? Past evils cannot always be remedied, but future errors may be easily avoided. No system of plumbing should be accepted by any school board without absolute knowledge that it will be in every way as practical under ground as it is upon paper. No plumbing should be put in without the constant and careful supervision of one who knows how the work should be done and will see that it is so done.

Presuming that there is no overcrowding, that ventilation is good and sewer gas absent, the question as to what shall be done when contagious disease appears in a school is still a serious one. The common course is to close the building. The public usually becomes panic-stricken, and a school board will naturally reflect popular sentiment. And when the infected building is in poor sanitary condition, its closure is doubtless advisable. Its use offers a greater risk than is incurred by turning children loose upon the streets and allowing them to play with those from infected families, which will usually happen unless a health department is rigid in its requirements and extra vigilant. But when the sanitary condition of a building is good, it is obvious that of itself it offers no aid to the spread of disease. Any germs that have been brought into it may be destroyed by thorough fumigation. So far as the building is concerned, the problem then becomes one of keeping these germs out of it. By systematic and thorough medical inspection of teachers and pupils, this can be accomplished. Contagious disease will be detected in its incipiency,

(Continued on subsequent page.)

HARD LINES.

To Make a Man Toe the Mark.

To take both tobacco and coffee away from a man seems pretty tough, but the doctor ordered me to quit both as my health was very poor, and I had got where I could do but little work.

About a month after quitting I commenced on tobacco again because I could hardly stand it. I got along with out the coffee for the reason that I had taken up Postum Food Coffee, which I found very relishing to the appetite, and wonderfully beneficial.

I have gained twenty-five pounds by its use, and today I am a well man. I discovered in this way that it was the old fashioned coffee that hurt me and not the tobacco. When I first tried Postum I did not relish it, but found that it was not made right, that is, they did not boil it long enough. Next time it came on the table it was fine and I have been using it ever since.

Mr. Fletcher, an old soldier of this place, was troubled with dyspepsia. I told him of my experience and my cure, and told him to quit coffee and use Postum Food Coffee. This was some time ago. I saw him yesterday and he told me he had not felt better in twenty years, and nothing would induce him to go back from Postum to the use of common coffee. He had the same trouble in getting it made right to start with.

John Ashford of Dillon was also troubled with dyspepsia. I told him of my cure by the use of Postum Food Coffee, and warned him to be careful in having the Postum cooked enough when he did try it. Today he is perfectly well and his appetite never better.

I could give you the names of a number of others who have been benefited by using Postum Food Coffee. I believe you are a true friend of suffering humanity.—Thomas Spring, Deavertown, Ohio.

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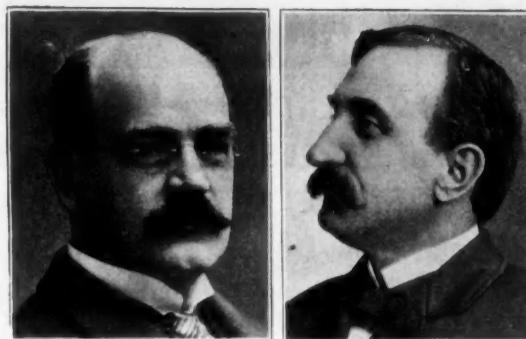
School Board Journal

hours or even days before, in the natural order of things, the child would have been adjudged sick by the average parent.

Inspection has been tried in some of the larger cities of the country and has been a marked success. Boston and Philadelphia require examination by a corps of physicians every day in the school year; Chicago has enforced a similar method during the prevalence of contagious disease. Statistics compiled in the last named city show that of all pupils examined between Jan. 1 and May 1, 1900, between 5 and 6 per cent. were sent home on account of fully developed disease, or suspicious symptoms. In Oshkosh we have recently had an interesting experience along this line. During September and October diphtheria and scarlet fever became prevalent in certain sections of the city, and two public schools that seemed to act as foci of infection were ordered closed. Later these schools were thoroughly fumigated and re-opened. Upon the day of opening every pupil was inspected by a physician. After that a doctor was in attendance every morning and afternoon, and every suspicious case was sent home. This was continued for some time in both of these schools, and also in a third public school in that section of the city. The epidemic very promptly subsided, whereas during the closure of the schools it had abated but little, if any. Other cities have had similar experiences, and I believe the conclusion well warranted that, when contagious disease is prevalent, medical inspection of pupils offers a logical and satisfactory solution of the problem of what to do with our schools.

In considering the duty of school boards toward the pupil as an individual, we confront a question of perhaps still wider scope. There are many things in school management that concern the pupil personally, without in any way affecting the public welfare. During his work in school he is entitled to pure air and plenty of it, and that air should be constantly kept at a proper temperature. He needs light, properly admitted and in sufficient quantity. He requires a desk that is constructed with a proper regard for anatomical and physiological principles. He needs a regulation of hours and methods of work based upon the same physiological principles. And possibly more than all else he needs a course of study arranged with due regard for the possibilities and limitations of the gradually expanding brain, a system of work so mapped out as to neither overtax nor underexercise the growing mental faculties. I grant you that this is a somewhat formidable array of requirements, and that at the present day their complete satisfaction is possibly Utopian. But this is no excuse for neglecting to labor steadily in that direction. There is nothing in the entire list that is impossible, and sooner or later the time will come when all will be practical realities.

The heating of school houses has undergone a gradual evolution since the days when the poor pupil was confronted by a stove that baked him upon one side, while he quietly froze upon the other. Today a concerted attempt is being made to warm him to just the proper point and upon all sides alike, and in many instances that attempt is meeting with comparative success. The proper heating of a large and well-filled school room is far from being a simple problem; but possibly it is more often solved than any of the other great problems that confront a school board, because it is more often forced upon that board's attention. Bad air and poor light and improper seating facilities are quite readily overlooked by teacher and pupils, but lack of heat is always a source of prompt protest. There are various practical ways of keeping the temperature of a school room at about 70 degrees Fahrenheit, but some of them are wholly



A. B. BLODGETT,
Supt. of Schools,
Syracuse, N. Y.

PROF. T. A. MOTT,
Supt. of Schools,
Richmond, Ind.

objectionable, in failing to provide for such a circulation of the warm air as will secure the ventilation we have already insisted upon. Heating and ventilation should go hand in hand. They should never be divorced upon any pretext whatsoever, economical or otherwise. Physical comfort as regards temperature is, of course, most desirable; but it is very far from being what it is sometimes made, the chief consideration in arranging the room for the welfare of the pupil. Any heating plant that hinders or prevents the circulation of fresh air should be unqualifiedly condemned. Indeed, there is no excuse for the installation of any such plant, for heating systems that combine proper warmth and proper ventilation can be and are being put into the twentieth century school house.

Proper lighting is a consideration of the utmost importance. Systematic testing of school children's eyes has been followed out in some cities, and the prevalence of defective vision thereby disclosed is something surprising. Of course, it cannot be safely assumed that all of these defects are due to poor lighting of the school room, but it is reasonable to presume that a considerable number are, and it is certain that those eyes that were weak or defective before are made incalculably worse by the trying conditions met with in the average school house. The significance of this fact is hardly appreciated by the majority of people, who consider a child's headache a comparatively trifling matter. But such a headache, if it can be traced to the eyes, is a danger signal. It is an indication of eye strain, which is definitely known to be the direct cause of numerous nervous diseases and the insidious author of much indefinable nervous suffering.

The correct lighting of a school room is sometimes a complex problem. Each case constitutes a study by itself, and in arriving at a conclusion all the numerous modifying factors demand due consideration. One point that may be readily overlooked is the danger that lurks in too much light, as well as in too little. Glare is productive of incalculable injury to the sensi-

tive retina. The ideal arrangement permits of just enough light to illuminate what is in front of the pupil, introduced from such a direction as to be readily reflected into the eye. Overhead lighting might be made very satisfactory, but, unfortunately, it is seldom practicable. The secretary of the Indianapolis board of commissioners writes that in that city there is a one-storied building lighted from the ceiling, and speaks of its success in enthusiastic terms. He states that some of the pupils who had worn glasses were so benefited in this building that the glasses were discarded. This experience embodies a hint that may prove of practical value, especially in small places where an arrangement of this kind might be practicable.

During recent years there has been a considerable improvement in school furniture, a fact for which the rising generation has reason to be devoutly thankful. Some of the back-breaking devices that once did duty as seats and benches were worthy of the Inquisition. Their straight lines would tax the rigid spinal column of a cigar-store Indian. Small wonder that the uneasy school boy would wriggle and twist and wriggle, and finally give way to that spirit of mischief that was less the expression of innate depravity than mute testimony of physical suffering. It is, of course, impossible to manufacture a school seat that will fit every pupil exactly; but an attempt can at least be made to conform to the human anatomy as it ordinarily exists, and to build upon curved lines, similar to the curved lines in the spinal column and lower limbs that nature has placed there. Especial care should be taken not to have a seat-back that will throw the shoulders forward and flatten the chest. Under the best of conditions there are too many unused air-cells in every pair of lungs, and these furnish a favorable nidus for the germs of tuberculosis, the most insidious and deadly of all scourges that afflict the race. Experience has shown that the aggregation of human beings particularly favors the spread of this malady, even under otherwise healthful circumstances. The average school room will at best offer opportunities enough for its propagation, and no stone should be left unturned in attempting to minimize this danger.

(Continued in next number.)

ARCHITECT'S FOOD.

Grape-Nuts Turned into Big Buildings.

The duties of an architect are so multitudinous, looking after the thousand and one details required in the construction of large buildings, that many of them suffer from the constant mental application and require the best of food to keep up their work. The chief draughtsman in the office of R. T. Newberry, Architect, at 1227 New York Life Bldg., Chicago, by name, Henry C. Hengels, says:

"After nine months' constant application in the preparation of the necessary plans and details for the large hotel known as the Post Tavern and the Post Building, at Battle Creek, as well as several other large institutions, I found myself in a very debilitated and dyspeptic condition and unfit for work.

"Instead of medical treatment, I used Grape-Nuts food in place of the usual breakfast cereals. The first few days gave great encouragement, and after a week's use, quite an appreciable improvement manifested itself. Since then, daily use has entirely restored the digestive functions to their natural healthy condition, and I have gained one pound per week. I am now entirely well and strong again and am able to apply myself to work with more than usual vigor. I consider Grape-Nuts a most valuable food for all brain workers. The help this food has given me is incalculable."



PROF. MASON S. STONE.
Who has been appointed Division Superintendent of
Schools,
Philippine Islands.

DIRECTORY SCHOOL SUPPLY AND EQUIPMENT DEALERS

Firms that can supply everything that
is needed in and about a school house.

This directory is published in each issue of the SCHOOL BOARD JOURNAL and has been prepared for the convenience of Secretaries, Boards of Education and School Officials who contemplate the erection of school houses and the purchase of School Furniture, Supplies and Equipment. The name of reliable firms only are listed. Write them for estimates and other information.

ARCHITECTS—SCHOOL.

W R Parsons & Son Co.....Des Moines, Ia
F S Allen.....Joliet, Ill

APPARATUS—GENERAL.

The A H Andrews Co.....Chicago
E W A Rowles.....Standard School Furn Co.....
Union School Furn Co.....Caxon Co.....L A Murray & Co.....Kilbourn, Wis
E G Smith.....Columbia, Pa
Central Sch Supp H...Chicago & N Y
Haney Sch F Co...Grand Rapids, Mich

APPARATUS—SCIENTIFIC.

Franklin Educational Co.....Boston
L E Knott Apparatus Co.....Ziegler Apparatus Co.....Ziegler Electric Co.....Central Scientific Co.....Chicago
Chicago Lab Supp & Scale Co.....A T Thompson & Co.....Boston

BADGES.

Bunde & Upmeyer.....Milwaukee
Central Sch Supp H...Chicago & N Y

BELLS—DEALERS.

Peckham, Little & Co.....New York
Central Sch Supp H...Chicago & N Y
The A H Andrews Co.....Chicago
E G Dann & Co.....E W A Rowles.....Standard School Furn Co.....C F Weber & Co.....L A Murray & Co.....Kilbourn, Wis

BELLS—MANUFACTURERS.

McShane Bell Foundry.....Baltimore
St Louis Bell Foundry.....St Louis
Am Bell Foundry.....Northville, Mich

BLACKBOARDS—COMPOSITION.

N Y Silicate Slate Co.....New York
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E G Dann & Co.....Chicago

BLACKBOARDS—SLATE.

E J Johnson & Co.....New York
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Chandler Adj Chair & Desk Works.....Boston

DRAWING SUPPLIES.

Milton-Brown Co...Springfield, Mass
Central Sch Supp H...Chicago & N Y
American Sch Furn Co.....New York, Chicago
Cleveland Sch Furn Works.....New York, "

DRAWING TABLES.

F W Emerson Mfg Co.....Rochester, N Y

TRIANGULAR BOOK COVER CO.

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BOOK-HOLDERS.

Ihling Bros & Everard.....Kalamazoo, Mich

BUNTING.

(See Flags and Bunting.)

CHARTS.

Peckham, Little & Co.....New York
Potter & Putnam Co.....Central Sch Supp H...Chicago & N Y
The A H Andrews Co.....Chicago
Century School Supply Co.....E G Dann & Co.....Educational Association
Thomas Kane & Co...Racine, Wis
E W A Rowles.....Standard School Furn Co.....Union School Furn Co.....C F Weber & Co.....L A Murray & Co.....Kilbourn, Wis
Sterling School Supply Co.....Mt Sterling, O

(Dealers.)

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GLOBES.

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TWO IMPORTANT ANNOUNCEMENTS.

I.

The publication of Book VII and Book VIII of "Lights to Literature by Grades," represents a notable advance in school readers. In place of badly adapted extracts these books are made up of complete literary masterpieces in the exact words of their authors. Each selection has been carefully annotated and there is a fine portrait and biographical sketch of each author represented. As a whole, the series stands for the highest literary excellence and fresh and stimulating material. May we make you acquainted with the books?

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II.

The imprint of Rand, McNally & Company upon school maps and globes has come to be a guarantee of two things: that they are scientifically accurate, and that their information is up-to-date. Without such assurance maps and globes can be of little value. We shall be glad to send you interesting information regarding new maps and new editions and to quote you special introductory prices. Your request on a postal card is all that is needed.

New Adoptions.

Ottumwa, Ia. Second Year Latin Book.
Penn Yan, N. Y. Sanford's Limited Speller.
Middletown, O. The following books have been recommended for adoption by the text book committee: Montgomery's Leading Facts in English History, Herrick and Damaz Composition and Rhetoric, McLaughlin's American Course, Williams and Rogers' Bookkeeping, Tilden's Commercial Geography, Penniman's New Practical Speller.

Scranton, Miss. The following books adopted for this county: Spelling, Child's Speller; supplementary, Swinton's Word Method; McGuffey's Speller; McGuffey's Readers; Carpenter's Geography Reader; supplementary, Long's Home Geography; Natural Elementary Geography, advanced Arithmetic, Robinson's series; Holbrook's Grammar; Metcalf's and Bright's Language Lessons; compositions, Metcalf's and Bright's Language; civil government, Peterson's Natural Philosophy; Poolie's Series of Physics; Hutchins' Physiology and Hygiene; Riley's Story of Mississippi; Chamber's History of the United States; copybooks, Spencerian System of Penmanship. Scranton separate school district adopted the same books as the county.

Brandon, Miss. Rankin county's school book committee adopted Lee's United States History, Riley's Mississippi, McCardie and Avery's Physics.

Berlin, Wis. Maxwell's English Text Book and Bryant & Stratton's Text Book on Bookkeeping.

Racine, Wis. Scott & Denny's English Composition and Powers & Lyons' Commercial Law.

upon the blood and mucous surfaces of the sys- Chester, Pa. Overton's Physiology and Lockwood's Graded English.

Camden, N. J. Natural Geographies, Natural Music Course and Baldwin's Readers.

Wilmington, Del. Milne's Arithmetic and Rice's Spellers.

Bloomsburg, Pa. Lyte's Language and Grammar.

Millville, N. J. Baldwin's Readers.

Atlantic City, N. J. Rice's Spellers and Lyte's Grammar.

Hartford, Conn. Martin's "The Human Body."

Altoona, Pa. Patrick's Lessons in Language.

Stevens Point, Wis. The Academy Song Book.

Atchison, Kan. Prentiss' History of Kansas and Brown's Element of English Grammar.

Moline, Ill. Gunn & Co.'s Second Year Latin Book.

Lewiston, Me. Beacon Song Collection No. 2, published by Silver, Burdett & Co.



STUART NEVIN HOPKINS,
Territorial Supt. of Public Instruction,
Oklahoma.

Mankato, Minn. Atwood's Arithmetics and Our Mother Tongue.

P. B. Hulse is temporarily with D. C. Heath & Co. At present he is doing some work for the firm in West Virginia.

A bill has been introduced in the North Carolina legislature for state adoption of school books, instead of county adoptions, as is now the case.

The western office of Benjamin H. Sanborn & Co. is located at 378 Wabash avenue, Chicago. Mr. James E. Warner is the manager.

Otto Focht, who formerly represented the Werner School Book Co. in Nebraska, now has charge of this field for the Macmillan Co.

Chas. W. Scott has charge of that part of Pennsylvania for the American Book Co. lying east of the Allegheny mountains and north of Harrisburg, comprising the central northern part of the state. He is still postmaster at Williamsport.

Two very popular books have just been issued for schools and colleges by Messrs. Houghton, Mifflin & Co. Both were published on August 25, 1900, and of one of them, Webster's English; Composition and Literature, four editions were prepared within six weeks and it received more

than sixty adoptions within fourteen weeks. The other book, Larned's History of England for Schools and Colleges, within fourteen weeks of publication, received over eighty adoptions, and two editions were needed within a month of its first appearance. This is a remarkable record for two new books.

TESTIMONIALS.

I have examined Fisher and Schwart's algebra and find it has many excellent features. I intend to introduce it next year as the text book in the classes. O. J. Bond, Associate Professor Mathematics. S. C. Military Academy, Citadel, Charleston, S. C.

Alexis E. Frye has resigned as superintendent of the Cuban schools.

TRUE PEDAGOGICS AND FALSE ETHICS. Morality can not be taught without religion. By Wm. Poland, St. Louis University, St. Louis, Mo. Published by B. Herder, 17 S. Broadway. Price, 15cts.

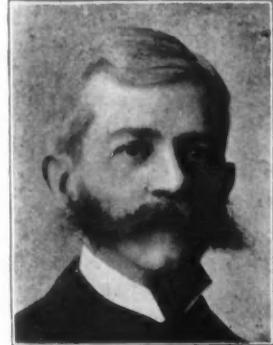
This is an interesting pamphlet of forty pages, whose object is to prove that the teaching of morality in our schools without reference to God is not effective of any good. Without religion there can be no code of morality—there can be no adequate sanction which will enforce the observance of the laws of morality when they come in conflict with self interest.

The author adduces the example of France which has put in practice our theory of education for the past fifteen years and gives statistics showing a frightful increase of crime among the young. The contention of the author is sustained by such men as President Eliot, of Harvard, D. Strong, secretary of the Evangelical Alliance, and Mr. Frederick Garrison. The pamphlet is ably written and will repay careful perusal.

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DEALERS IN SCHOOL SUPPLIES.
38 Hawley Street, BOSTON.

Transportation of Pupils in Rural School Districts.

ADDRESS BY HON. JAMES OWEN, MONTCLAIR, BEFORE THE NEW JERSEY STATE BOARD OF EDUCATION.

The function of boards of education and those in authority in the administration of the schools have so far been limited to two propositions. First, that of supplying buildings to be used for schools; second, carrying into effect the educational part of their work. It has not been considered that any obligation existed outside the school, and consequently no thought or care has been given to the child beyond the limits of the school yard. Of later years what is known as the truant law has been spasmodically taken up, and on the plea of compulsory education efforts have been made by those in authority to exercise their control over the children outside the original limits. With this exception, the care of the children has not been assumed by school boards outside the limits of the building and its environments. On the other hand, the family, while appreciating the importance of some watchfulness over the children in the period that elapses between leaving the house and arriving at the school, exercise no particularly general control over the care and welfare, so that there is a gap in the child's career, in which it works out its own end, to its detriment or good, as chance or circumstances may direct.

It may be confidently assumed that, with continual demand for better school facilities and higher standard of education, this very question of transportation will be an important factor for higher work, and the experience that has been had in other localities will serve as a guide for future efforts in this state.

The first element suggesting the necessity for transportation is what a great many states in the East are experiencing, and that is the decline of the rural schools. In the last thirty-five years the rural population of New York has decreased one-third. Of the 11,000 school districts nearly 3,000, or more than one-fourth, have six pupils or less, and two-thirds have less than twenty-one. Vermont has 153 schools with less than seven pupils each. Maine has 1,000 with less than twelve. Wisconsin has 183 with less than six; 858 others with less than eleven; with total of 3,222 with less than twenty-one. In New Jersey the tendency, while not so great as in New York, is for the rural schools to decrease, and when you find, as I have found, a school with only five children, it can be easily seen that true educational ideas demand its abolition.

From the reports received it appears that eighteen states have a law allowing the transportation of pupils at public expense, and thirteen are availing themselves of the privilege. The following is the list:

Connecticut, Florida, Indiana, Iowa, Kansas, Maine, Massachusetts, Nebraska, New Hampshire, New York, North Dakota, Ohio, Pennsylvania, Rhode Island, South Dakota, Vermont, Wisconsin and New Jersey.



M. ALICE TREAT,
Member School Board,
Monroe, Wis.

These states have nearly half of the population of the United States. In Maine a committee may transport or pay the board of pupils at a suitable place near any established school. Maine has 1,000 schools averaging less than thirteen pupils each. The fact that school districts have been abolished or that the school committee has suspended schools does not necessarily entitle the public school children to conveyance.

New Hampshire and Vermont have laws which allow the use of not more than 25 per cent. of the school money for transportation purposes, and in Vermont this may be done on a written application from ten resident taxpayers to transport the scholars who reside more than one and one-half miles from the school house. The popularity of the movement in Vermont may be judged from the state superintendent's report that "within the past ten years the amount expended for transportation has increased over 400 per cent."

The law on transportation in New Jersey is defined in Article 19, Section 197, page 257, Laws of 1900, and I give the section in full, as it gives a full idea of the different objects for which money may be raised.

The legal voters of each school district situated in a township, city, incorporated town or borough not divided into wards, may, at any annual or special meeting of said legal voters, by the vote of a majority of those present, raise by special district tax such a sum or sums as a majority of said legal voters present at such meeting may agree upon for any or all of the following purposes: To enable boards of education to purchase land for school purposes; to build, enlarge, repair or furnish a school house or pay a debt incurred therefor; for industrial schools, for manual training, and for the current expenses of the schools, in which term shall be included principals', teachers', janitors' and medical inspectors' salaries, fuel, text books, school supplies, flags, transportation of pupils, tuition of pupils attending school in other districts with the consent of the board of education; school libraries, compensation of the district clerk, of the custodian of the school moneys, and of truant officers, truant schools, insurance and the incidental expenses of the schools.

This law seems to apply only to districts not divided into wards, but Section 82, Article 7, page 216, says:

"Any such board shall have all the powers granted to boards of education under other articles of this act, except as they are limited by or are inconsistent with the provisions of this article," and this, then, gives the power to adopt transportation to all kinds of school boards and makes the law uniform in the state and is unlimited in its application.

The condition of the rural schools and the matter of transportation in Massachusetts is the subject of a special report by G. T. Fletcher, agent of the Massachusetts board of education.

From this we learn that Massachusetts enacted a law in 1869 providing for the conveyance of pupils to and from public schools. The first town to take advantage of this was Quincy, closing two schools in 1874.

In 1889 Agent G. A. Walton found that the cost of educating pupils in some small schools was \$50 each, while in schools of twenty-five pupils the cost was \$10 each.

The growth of conveyance in Massachusetts is shown by the increased expenditure, \$22,000 in 1888-90; \$30,000 in 1890-91; \$50,000 in 1892-93; \$91,000 in 1895-96; \$123,000 in 1897-98, and \$124,409 in 1898-99. Another superintendent in Massachusetts reports favorable results after eighteen years of trial. Less sickness among transported children, and a saving of \$600 annually. Sixty per cent. of the towns raise money by specific appropriation, separate from the regular school fund; 40 per cent. make the regular school tax cover the cost of conveyance. Fifty per cent. convey the whole distance; in the other towns the children walk to some designated point, except in some cases the carriage goes to each home in stormy weather. In some cases conveyance is furnished only in winter or stormy weather. Sometimes the children are conveyed to school, but not from it, except in stormy weather.

Rhode Island is using transportation under the law, and in one case, an increase of over 300 per cent. in the number of those who remained in the upper grades.

(Continued in March Number.)

Chicago, Ill. The Johnson Temperature Controlling Co., has installed their system in the C. W. Earle school.

Bleeding Piles

And All other Forms of this Common and Annoying Disease, Cured by the Pyramid Pile Cure.

Thousands of men and women suffer from some form of piles without either knowing the exact nature of the trouble, or knowing it, carelessly allow it to run without using the simple means of a radical cure.

The failure of salves and ointments to cure piles has led many sufferers to believe the only permanent cure to be a surgical operation, but surgical operations are dangerous to life and moreover very expensive and by no means always or even often, successful.

The safest and surest way to cure any case of piles, whether itching, protruding or bleeding is to use the Pyramid Pile Cure, composed of healing vegetable oils, and absolutely free from mineral poisons and opiates.

Mr. Wm. Handschu, of Pittsburg, Pa., after suffering severely from bleeding piles writes as follows:

"I take pleasure writing these few lines to let you know that I did not sleep for three months except for a short time each night because of a bad case of bleeding piles. I was down in bed and doctors did me no good.

"A good brother told me of the Pyramid Pile Cure and I bought from my druggist three fifty cent boxes. They completely cured me and I will soon be able to go to my work again."

The Pyramid Pile Cure is not only the safest and surest pile remedy but is by far the widest known and most popular, because so many thousands have tried it and found it exactly as represented.

Every physician and druggist in the country knows the Pyramid Pile Cure and what it will do.

Send to Pyramid Pile Cure Co., Marshall, Mich., for little book on Cause and Cure of Piles mailed free to any address or better yet get a fifty cent box of the remedy itself at the nearest drug store and try it tonight.

The evolution of Teachers' Agencies has been as encouraging as any other educational development during the last quarter of a century. The old-style agencies are being forced either to lose business or to adopt new methods and standards.

The Teachers' Exchange of Boston seems to have been the first to avow a purpose of serving, primarily, the interests of superintendents, principals and committees, expecting in that way eventually to render the most satisfactory service to its teachers. Established in 1896 by an experienced Massachusetts superintendent, the Exchange has proven, by the steady increase of its business, that this conservative policy is appreciated by employers of teachers. In fact,

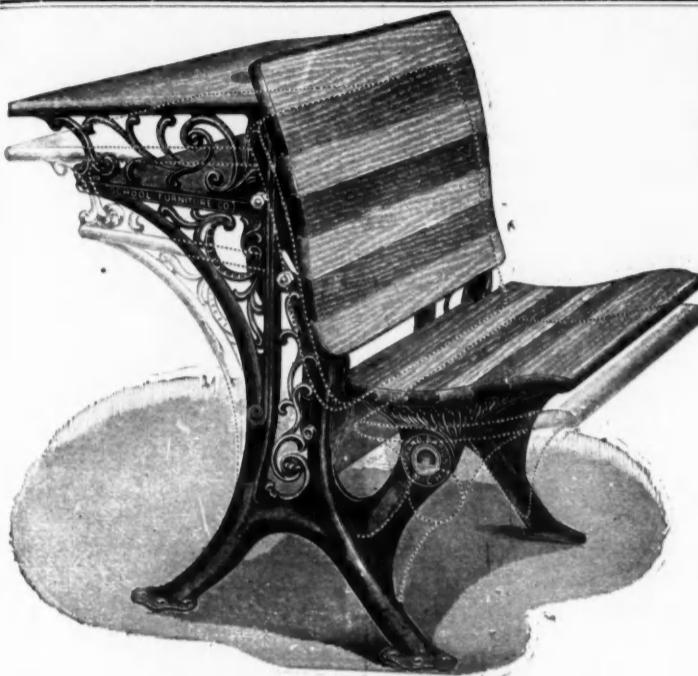
its methods, as well as its name, have already been adopted by several other parties. The time is at hand when practically all of the leading school and college officials recognize the fact that the way to find the best teachers to suit their needs, is to consult some one of the agencies or exchanges whose managers have the ability and character to give really honest, professional advice.

Philander P. Claxton, the editor of the North Carolina Journal of Education, is also the professor of pedagogy in the State Normal and Industrial College. He is one of the serviceable leaders in education in the South. He has just been chosen secretary of the Southern Educational Association, an organization which covers all the Southern states.

John Vaughn, who represents Thos. R. Shewell & Co. in the New York City district, was formerly in charge of the editorial department of Rand, McNally & Co., when E. E. Smith was manager.

The state superintendent of Minneapolis is appointed by the governor. The State Teachers' Association urge that the office be made an elective one and the salary fixed at \$4,000.

Rhode Island. The state furnishes freely to the cities and towns, school registers. In these registers rules are given by which the state authorities ask that the attendance should be kept so that there may be uniformity in the records.



having every pupil in a school room accurately fitted with the desk he occupies.

THE ONLY ADJUSTABLE DESKS THAT ARE SUSCEPTIBLE OF PERFECT ADJUSTMENT ARE THE GRAND RAPIDS KIND

The word Grand Rapids! What a world of meaning it contains. Who isn't familiar with its sound? Who can't point his finger blindfolded to its location on the map. What made it famous? SCHOOL DESKS. What do competitors say when describing their own goods—"They are just as good as Grand Rapids." Are they? Is an imitation paste diamond as good as the real article? Hardly. Where did Adjustable Desks originate? Grand Rapids. Where have they been carried to the greatest perfection? Grand Rapids. If you were asked where school desks are made could you without a great deal of thought think of any place except Grand Rapids? In school room equipment there is nothing so symbolic of that which is perfect as this combination of letters:

GRAND RAPIDS

To come back to Adjustable Desks. Have you ever investigated the subject? If not, why not? It is a subject of vital importance to every school officer, to every parent with children attending school. Would you like to read upon the subject? If so, there is a world of literature bearing on it published at Grand Rapids that you can have without money and without price, simply by asking for it. As a starter towards informing yourself on the subject,

ASK YOUR FAMILY DOCTOR.

He will tell without a moment's hesitation that it is **WORSE THAN CHINESE CRUELTY** to compel children to sit in school desks that can't be adjusted to fit the child. The Chinese only distort their children's feet, while ill fitting school desks, sat in hour after hour, day after day, month after month, **DISTORT THE CHILDREN'S GROWING BODIES, TWIST THEIR SPINES AND RUIN THEIR EYESIGHT**. If he is an up-to-date doctor and of course he is or you wouldn't employ him, he will also tell you that **THE ONLY PERFECT ADJUSTABLE DESKS** are made at

Grand Rapids School Furniture Works,

Eastern Sales Office,
814 Constable Bldg., New York.

Western Sales Office,
Corner Wabash Ave. and Washington St., Chicago.

Works, Grand Rapids, Michigan.

Heating and Ventilating.

Council Bluffs, Ia. The following concerns submitted bids to install a heating and ventilating system in the new high school: Stephan Bros., Council Bluffs; George F. Hughes, Council Bluffs; J. C. Bixly & Son, Council Bluffs; Krosinger Heating and Ventilating Co., Lincoln, Neb.; Centerville Iron Works, Centerville, Ia.; American Warming and Ventilating Co., Chicago.

Oshkosh, Wis. The heating of the new Tenth Ward School is self regulative. A thermometer hanging in each room is all the visible paraphernalia. When the room grows cold, an instrument causes a draft in the furnace room to open and soon the temperature rises. The furnaces are supplied with fresh air by means of a powerful fan which is operated by a gasoline engine. The fan forces fresh air over the tubing of the furnaces and up into the various rooms through pipes. It is introduced into the rooms about half way between the floor and ceiling and is crowded out at the floors through ventilating openings.

Altoona, Pa. At a recent meeting the board took up and discussed the matter of apparatus for controlling temperature to be installed in the new Fifth Ward school. An audience was given J. A. Conly, representing the Powers Regulator Company, of New York, and Anson J. Dill representing the Johnson Electric Service Co., of Pittsburgh. Both described their respective ap-

paratus and then submitted bids. The Johnson Co. offered the board the lowest bid and were awarded the contract.

Boston, Mass. The board executed a contract with Lynch & Woodward for furnishing and installing a heating and ventilating system in the new Chapman school building, East Boston.

Mitchell, S. D. Hess & Rau, Watertown, S. D., were awarded the contract to make a change in the heating plant in the east side school.

Indianapolis, Ind. Principals are permitted to dismiss their schools when the temperature falls below 60 degrees, with no prospect of speedy relief.

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ONCE AT EVERY DOOR.**

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and April 2, 9, 16, 23, 30, 1901.

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AND A DIFFERENCE.

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THE DIFFERENCE

between an ordinary school desk and the CHANDLER is about the same as between the old fashioned stage coach and a modern parlor car. The difference between the CHANDLER and any other chair desk is like the difference between a twenty-dollar gold piece coined by Uncle Sam, and one made by a "phony" man. One is the real thing, standard all over the world, the other is a counterfeit, repudiated at home—scorned abroad.

In the lexicon of school room equipment

The CHANDLER is IT.

Send for printed matter and get acquainted. When you get acquainted you will be friends. An acquaintance with the CHANDLER always leads to lasting friendship. Chandler Desks are made at

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D. E. BURLEY, G. P. & T. A., Salt Lake City, Utah.

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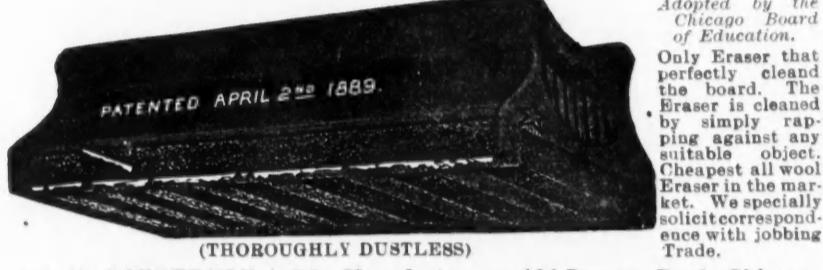
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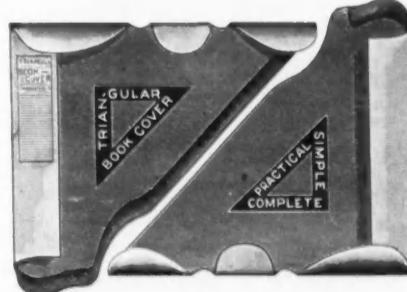
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